Usenet Newsgroup Archive: rec.radio.amateur.digital.misc

2002

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Date span: 2002-01-01 through 2002-12-31

Source text: rec.radio.amateur.digital.misc.txt

Source item: https://archive.org/details/usenet-rec

Messages included in this PDF: 2,873

Messages are presented chronologically by archived date.

Binary or encoded payloads are not printed as blocks of encoded text; a placeholder appears where such material was detected. The original source text is unchanged.

1. Re: Need Computerized Vacuum Tube List

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-01 12:40:52 UTC
From: Pier Haringsma <pa3byz@uwnet.nl>
Message-ID: <3C31AE54.200AD9E2@uwnet.nl>
Source record: 7375

Hello Jamie,

You could try:

http://members.home.nl/pe1rcg

And look for the program "buisinfo"

Best 73, Pier PA3BYZ

2. Ethernet RFI experience

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-01 18:56:20 UTC
From: msewing@yahoo.com
Message-ID: <ecc5d61d.0201011056.18e3be1b@posting.google.com>
Source record: 7376
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.digital.misc

The question about low bands vs Ethernet came up recently on
TowerTalk. Wonder if rec.radio.amateur has any wisdom to offer?

Can't speak for 160, but I had to dump my 100 baseT Ethernet
hub for a 10 baseT unit because of the hash on 80. (A couple
of S units above sky noise.) Previously I had switched from
unshielded Cat 5 wiring to shielded Cat 5, along with snap-on
ferrite filters. That helped, but not enough.

I am using the Linksys BEFSR11 DSL router, but at least
on 80 it's not the router that causes the trouble. Make sure
you're using only 10 Mbit Ethernet, not 100 Mbit.

I have problems the other way, also. Transmitted RF (100 W)
gets into my LAN and causes "interesting" effects. Ferrite
has tamed it for the moment, but I don't know about QRO. Next
step is fiber optics and/or 2.4 GHz wireless "WiFi".

** Has anyone written up how to deal with DSL & LANs vs ham
radio? **

Happy New Year to all!
73, Martin, AA6E
dba msewing@yahoo.com

p.s. And then there were our "RF quiet" high power lamp dimmers
that coupled into our phone lines and screwed up DSL for a long
time. EMC is not a simple thing these days!

3. Re: Ethernet RFI experience

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-01 21:14:14 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.10.10201012112550.5272-100000@exp.bde-arc.ampr.org>
Source record: 7377
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.digital.misc

On 1 Jan 2002, Martin, AA6E wrote:
>The question about low bands vs Ethernet came up recently on
>TowerTalk. Wonder if rec.radio.amateur has any wisdom to offer?
>
>Can't speak for 160, but I had to dump my 100 baseT Ethernet
>hub for a 10 baseT unit because of the hash on 80. (A couple
>of S units above sky noise.) Previously I had switched from
>unshielded Cat 5 wiring to shielded Cat 5, along with snap-on
>ferrite filters. That helped, but not enough.
>
>I am using the Linksys BEFSR11 DSL router, but at least
>on 80 it's not the router that causes the trouble. Make sure
>you're using only 10 Mbit Ethernet, not 100 Mbit.
>
>I have problems the other way, also. Transmitted RF (100 W)
>gets into my LAN and causes "interesting" effects. Ferrite
>has tamed it for the moment, but I don't know about QRO. Next
>step is fiber optics and/or 2.4 GHz wireless "WiFi".

Hypocrit. You propose going to 2.4 GHz, which in effect also happens to jam and cause other difficulties for AMATEUR 2.4 operations..... However, I agree that currently, most of the jamming and problems up there are from cordless phones (at least in my area).

>** Has anyone written up how to deal with DSL & LANs vs ham
>radio? **
>
>Happy New Year to all!
>73, Martin, AA6E
>dba msewing@yahoo.com
>
>p.s. And then there were our "RF quiet" high power lamp dimmers
>that coupled into our phone lines and screwed up DSL for a long
>time. EMC is not a simple thing these days!

4. M-1200 Info-Tech

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-01 23:54:48 UTC
From: Robert Mozeleski <moz@ncx.com>
Message-ID: <u34mjtj2r6ec65@corp.supernews.com>
Source record: 7378

Need a copy of the software for the M-1200 Info-Tech board sold by Universal Radio. I picked up this full size ISA card from eBay
and need a copy of the original software, was on a 3 1/2 " disk originally. Have some misc things to trade (tubes etc.) Thanks for
any help or links.

5. Re: 8 bits with TAPR

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-02 07:56:42 UTC
From: Richard Hendricks <RickH2745@pcisys.net>
Message-ID: <u35f8im6tikbaf@corp.supernews.com>
Source record: 7379

"ke6cqk" <fbyvgba-QRYRGR@cnpvsvp-GUVF.arg> wrote in message
news:aopi0ukuc2vtlcbv6e7bgrc6m8nb4u5noq@4ax.com...
> "Yoann Duriaud" <yduriaud@stanford.edu> wrote:
>
> >Hey,
> >I hope my question will seem easy for most of you...
> >Is it possible to send 8 bits of data using TAPR? I use a TNC2H from
Symek
> >with TAPR 1.1.8, and I can't transmit 8 bits of data. I set AWLEN to 8,
> >8BITCONV to ON, PARITY to 2 (that's for NONE), I set the serial port to
be 8
> >bit-no parity, and even that way when I send a character what I get on
the
> >other side has the most significant bit that represents the parity. So I
was
> >just wondering whether it is possible to use the 8th bit for data, and in
> >that case what should I do to get rid of the parity bit.
> >Thanks for your help.
> >
> >Yoann

Well, Yoann, it's been awhile, but I believe Parity = 2 is EVEN parity.
Try Parity = 0. Checking into my TAPR memory,it's something like:

parity = 0 (none)
parity = 1 (odd)
parity = 2 (even)

Good luck and have fun!

Rick

-*-

Richard A. Hendricks,KE0GB, CET, GROL.
Licensed Railroad Engineer,
Burnlington Northern Santa Fe Railway
E-mail: RickH2745@pcisys.net

-*-

6. Re: Pentium Laptop for swap

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-02 13:20:44 UTC
From: KC8PMX <kc8pmx@tm.net>
Message-ID: <MODY7.229$k7.142973@monger.newsread.com>
Source record: 7380

I'll offer fifty dollars (US) for it. (plus shipping)

Ryan
kc8pmx@tm.net

"JJ" <wanthamradio@hotmail.com> wrote in message
news:k%5Y7.19062$S3.3621294@news1.telusplanet.net...
> I have a pentium 75 laptop with nice bag for swap for ham related items...
> OFFERS????
>
>

7. MixW SSTV - TNC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-02 16:37:50 UTC
From: jjodon@en.com
Message-ID: <c62310c8.0201020837.70548f33@posting.google.com>
Source record: 7381

Can you use a TNC for SSTV or can you only use a sound card interface? Just curious since I already have my computer and radio configured for APRS and packet to my KPC-3. Any help you can provide would be greatly appreciated!

8. New Digital Camera for Christms - Good for SSTV?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-02 17:38:46 UTC
From: "R. Scott" <kf7qz@yahoo.com>
Message-ID: <3C3345A6.872AAD10@yahoo.com>
Source record: 7382

I recieved a nice camera for Christmas and it includes a TV out port. I also have a Video card on my Computer that has TV in. I also run a Interface on my computer to my HF for PSK and monitor of SSTV, but have never transmitted.

SO, has anyone married the two for SSTV ?

Thanks

Rick KF7QZ

9. Re: Ethernet RFI experience

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-02 18:20:36 UTC
From: Roger Halstead <rdhalste@tm.net>
Message-ID: <UbIY7.245$k7.156304@monger.newsread.com>
Source record: 7383
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.digital.misc

"Martin, AA6E" <msewing@yahoo.com> wrote in message
news:ecc5d61d.0201011056.18e3be1b@posting.google.com...
> The question about low bands vs Ethernet came up recently on
> TowerTalk. Wonder if rec.radio.amateur has any wisdom to offer?
>
I can only speak for my own experineces, but I'm running 4 computers on 100 base Three are in the same "small" room with the Ham Station.

Two of the three do not have the cabinents on. IOW, they are wide open
I run the full legal limit on all bands 160-10, although I'm off 160 right now.
I run 100 watts on 6-meters, 160 watts on 2-meters and 35 watts on 440.
The one computer sits right beside the two dual band 144/440 rigs which are just above the Icom 751A HF backup tranceiver and about 3 feet to the left of the 756 Pro and the old 76A amp. The second computer (without cabinet) is only a foot to the left of the first computer.

The computer I' m using now (with cabinet) is about 4 feet to the East of the first computer.

All three run 24 X 7 and are tied together through a router which also ties to a dual ISDN router.

The only problem I've run into is that there are so many AC runs in the shack that I had to add a ground to the mike cable on the 756 pro as the AC field in the room is so strong I was getting AC hum in the audio (not feedback). If I'd reach up and ground myself to the mike connector, or touch any bare metal on either the 756 Pro, or the Alpha 76A the humm would disappear. That meant my body was picking up the 60 cycle AC just like an antenna. Icom uses the outside shield as a ground (that isn't really a true ground) for the neutral on the mike up/down frequency switches. As I never use those anyway, I moved it to chassis ground and immediately got rid of the humm (which had been present on all bands)

> Can't speak for 160, but I had to dump my 100 baseT Ethernet
> hub for a 10 baseT unit because of the hash on 80. (A couple
> of S units above sky noise.) Previously I had switched from
> unshielded Cat 5 wiring to shielded Cat 5, along with snap-on
> ferrite filters. That helped, but not enough.

I use the standard unshielded cables with no filtering.

>
> I am using the Linksys BEFSR11 DSL router, but at least
> on 80 it's not the router that causes the trouble. Make sure

> you're using only 10 Mbit Ethernet, not 100 Mbit.

I'm using 100 Mbit with no problem.
The hub is a dual 10/100 inexpensive Linksys while the ISDN router is Netgear

BTW the multi mode (packet) controller hooks from the HF and dual band (VHF/UHF) rigs right into the serial port on the closest computer. One of those without a cover.

The computers are 1.2 Gig Athlon (100 MHz FSB X 2) I got mine a week before they came out with the 133 X 2. which is the one used for packet.
The second is a 1.333 Gig Athlon (133 MHz X2 FSB) (both use MSI motherboards with RAID -- K7T266 Pro and K7T Turbo) The third is an old 450 P-III (Slot 1), but I don't remember the MB manufacturer. It's used mainly as a backup storage machine, but unfortunately as I'm well past a quarter terabyte on the other two, so it only gets the data files. (It can serve as a backup for an internet connection if need be. All three run 24 X 7.
I put the covers back on the two Athlons this past week, but they have been without covers well before upgrading to the Athlons.
>
> I have problems the other way, also. Transmitted RF (100 W)

I'm running the legal limit and have not noticed any problems yet and I've done a lot of checking. It will be interesting to see how the systems get along when I install the shop computer. That will take an ethernet run of roughly 175 feet which will be right beside the feedlines to the tower and directly under the 75 meter sloper and between two 40 meter slopers..

I do have an elaborate ground system with 21, 8' ground rods and nigh onto 360 feet of bare #2 copper that connects the all the station equipment, the tower, and house electrical ground into a common point. Got bit a couple of times befor hooking in the electrical ground.

On "average" the system gets hit twice a summer, but we escaped even a close one last summer.

> gets into my LAN and causes "interesting" effects. Ferrite
> has tamed it for the moment, but I don't know about QRO. Next
> step is fiber optics and/or 2.4 GHz wireless "WiFi".
>
Now I am concerned about the wireless...Particularly as I run 440 and will be going high power on both 144 and 440...course high power is a relative thing on those bands. I'm limited to 400 watts to the antennas (stacked 12s at 127 feet) due to exposure limits. 440 is actually a higher power limit, but the odds of me running more than a couple of hundred watts with an antenna mounted amp are pretty remote.

> ** Has anyone written up how to deal with DSL & LANs vs ham
> radio? **
>
Not that I know of. It's such an individual thing. I would bet that some one will soon though. People say the number one rule is to keep the covers

on...It's difficult to do when constantly modifying the computers and I have to open them up and do a complete clean out every month, or two. Two at the very latest. They run so much air through that they do a great job of collecting "dust bunnies". This one gave an over temp alarm last week. I opened it up to fine that the bottom of the CPU heatsink looked like it had a layer of felt across it. (it's one of those that look like a mineature radiator with copper and aluminum fins.) If I increased the air flow any more, I think it'd be able to hover. In other words, it's gettin' noisy in here. And I can't shut the door or the equipment will overheat. (It's not much fun in here when it gets that hot either. How hot? room temp will go well above 30C. I'm changing out the old towers for new ones meant for the increased airflow for the new high speed chips. Along with that I'm going to 300-400 watt power supplies from the original 250s. With as many 8 to 10 drives they run lots cooler than the over worked smaller ones.

How do I get 8 drives? four in the RAID, two HDs on the EIDE buss and two CD drives on an EIDE buss. PCI cards are available for about $30 that will let you add 4 more in a RAID, or just EIDE ATA 100. I had standardized on 40 Gig ATA 100s, but I can now get 80 Gig ATA 133s for less than two 40s. All are 7200 RPM.
Six 40s on one machine is 240 Gig and two machines total nearly half a Terabyte.
Archiving data sure takes a lot of CDs. <:-)) (I do a lot of image work and am getting darn tired of scanning)

73 and Happy New Year from;

Roger (K8RI - EN73)
WWW.RogerHalstead.com
N833R World's oldest Debonair? (S#CD-2)

> Happy New Year to all!
> 73, Martin, AA6E
> dba msewing@yahoo.com
>
> p.s. And then there were our "RF quiet" high power lamp dimmers
> that coupled into our phone lines and screwed up DSL for a long
> time. EMC is not a simple thing these days!

10. CR502

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-02 23:37:19 UTC
From: Larry Deitcher <kb9ksr@adelphia.net>
Message-ID: <PQMY7.941$gO5.627178@news1.news.adelphia.net>
Source record: 7384

I am looking for a Icom cr-502 for my 706 to make it FEMA complaint
Larry

11. PSK 31 - Power Levels

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-03 13:18:30 UTC
From: sidesofatriangle@hotmail.com
Message-ID: <5a854cd.0201030518.18443f8e@posting.google.com>
Source record: 7385

I have recently decided to take the plunge and investigate PSK31 with my trusty TS120 and P200 PC. I intend to use Digipan 1.6. So far so good on rx.

I note that "some transceivers cannot handle the duty cycle of PSK31 without overheating" and that the power should be reduced until the transceiver is running at the recommended power output for continuous-duty operation.

Does this mean that I have to actually adjust my RF output by say 50% of the normal. My understanding of the documentation that comes with Digipan is that I can do this by adjusting the CONFIGURE/TRANSMITTER DRIVE tab on the Digpan menu ? Is this correct ?

If any of you PSK31 experts out there could help I would be very grateful.

Thank You.

12. Re: PSK 31 - Power Levels

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-03 13:34:11 UTC
From: hamish@cloud.net.au
Message-ID: <3c345dd3$0$11494$afc38c87@news.optusnet.com.au>
Source record: 7386

PH HUMPHREYS G0HAI <sidesofatriangle@hotmail.com> wrote:
> Does this mean that I have to actually adjust my RF output by say 50%
> of the normal. My understanding of the documentation that comes with
> Digipan is that I can do this by adjusting the CONFIGURE/TRANSMITTER
> DRIVE tab on the Digpan menu ? Is this correct ?

Yes, you can leave the RF power out at full on the radio and
just use less audio output by adjusting the transmitter drive
in Digipan.

You don't need a full 100W for DX PSK31 contacts generally
and certainly don't need a linear.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

13. Re: PSK 31 - Power Levels

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-04 01:05:08 UTC
From: "Bob Lewis (AA4PB)" <rlewis@staffnet.com>
Message-ID: <u39vui1d0kfr5e@corp.supernews.com>
Source record: 7387

There are two main reasons to run your transmitter at reduced power output on PSK31. One of them is that your transmitter and/or power supply may not be able to handle the heavy duty cycle (as compared to SSB or CW) of PSK31. The other is that the transmitter will generally put out a much cleaner signal at lower power levels. Since the PSK31 signal is so narrow (and because most everyone is looking at your signal with a waterfall display) small amounts of distortion that wouldn't be detected in SSB will be quite recongnizable with PSK31.

Run your power control on the transmitter full open and then reduce the power by reducing the audio level from the sound card.

14. APRS help needed

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-04 03:26:30 UTC
From: Don <don@NOSPAM.k9soa.net>
Message-ID: <Gh9Z7.213391$WW.12446772@bgtnsc05-news.ops.worldnet.att.net>
Source record: 7388

Want to get set up with APRS but unable to locate anyone that can help.
Sent over 15 emails and not ONE reply.

Have the hardware and software but now what?

--
Don

www.k9soa.net

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15. Re: APRS help needed

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-04 04:33:10 UTC
From: Jeff L <jeff5544@attbi.com>
Message-ID: <agaZ7.4199$MK.69823@rwcrnsc54>
Source record: 7389

Go to www.tapr.org. There is all kinds of help there including links to
other sites.
You'll be able to see the wiring hookup for you radio as well.
WB9DAR

"Don" <don@NOSPAM.k9soa.net> wrote in message
news:Gh9Z7.213391$WW.12446772@bgtnsc05-news.ops.worldnet.att.net...
> Want to get set up with APRS but unable to locate anyone that can help.
> Sent over 15 emails and not ONE reply.
>
> Have the hardware and software but now what?
>
>
> --
> Don
>
> www.k9soa.net
>
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> Dream Builder Show
>
> Featured Home of the Month
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> Home Automation Magazine
>
>

16. Re: PSK 31 - Power Levels

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-04 16:26:45 UTC
From: Alexander Kurpiers <a.kurpiers@nt.tu-darmstadt.de>
Message-ID: <3C35D7C5.4F3D7819@nt.tu-darmstadt.de>
Source record: 7390

"Bob Lewis (AA4PB)" wrote:
> supply may not be able to handle the heavy duty cycle (as compared to
> SSB or CW) of PSK31. The other is that the transmitter will generally
> put out a much cleaner signal at lower power levels. Since the PSK31

Filtered PSK like PSK31 has quite a low average power compared to the
peak power level
(like speech if not compressed with a speech processor). So the power
reading
of the TRX should be a lot lower than maximum, otherwise the PSK signal
gets distorted and
is by no means a narrow signal anymore!

73' Alexander

--
Alexander F. Kurpiers | Voice: +49-6151-162369
Institut fuer Nachrichtentechnik | Fax : +49-6151-165545
Merckstrasse 25 | EMail: a.kurpiers@nt.tu-darmstadt.de
D-64283 Darmstadt (Germany) | Hamradio: dl8aau@db0ais.#hes.deu.eu

17. Re: PSK 31 - Power Levels

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-04 21:28:47 UTC
From: "Bob Lewis (AA4PB)" <rlewis@staffnet.com>
Message-ID: <u3c7krngl66uf2@corp.supernews.com>
Source record: 7391

> Filtered PSK like PSK31 has quite a low average power compared to
the
> peak power level

If you are not typing (i.e. transmitting idles) then the average power
is 50% of peak. When you type the average power increases.

18. Re: New Digital Camera for Christms - Good for SSTV?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-05 00:10:34 UTC
From: Dave <djh@gmx.co.uk>
Message-ID: <a15g9u$oo69i$1@ID-17549.news.dfncis.de>
Source record: 7392

If the video card has a phono input you can do it I think

"R. Scott" <kf7qz@yahoo.com> wrote in message
news:3C3345A6.872AAD10@yahoo.com...
> I recieved a nice camera for Christmas and it includes a TV out port. I
> also have a Video card on my Computer that has TV in. I also run a
> Interface on my computer to my HF for PSK and monitor of SSTV, but have
> never transmitted.
>
> SO, has anyone married the two for SSTV ?
>
>
> Thanks
>
> Rick KF7QZ

19. nearly 300 repeaters now connected on irlp

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-05 08:55:44 UTC
From: g3zhi@hotmail.com
Message-ID: <3c36bcc1.2569268@news.btinternet.com>
Source record: 7393

there are now nearly 300 repeaters around the world connected by the internet through the internet radio linking project 24hours per day 7 days a week

perhaps one all repeaters in the world will be linked via the internet

to call a repeater on the system you just dial a 4 digit dtmf code

for a full list and more info go to http://www.qsl.net/g3zhi

the most remote repeater on the system is on antarctica

73 ian g3zhi

20. radio amateur information network - audio report on irlp - g3zhi interview

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-05 09:00:10 UTC
From: g3zhi@hotmail.com
Message-ID: <3c37bf53.3228090@news.btinternet.com>
Source record: 7394

to listen go to link 229 on my web site

http://www.qsl.net/g3zhi

73 ian g3zhi

21. Re: radio amateur information network - audio report on irlp - g3zhi interview

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-05 15:33:54 UTC
From: Alan <alan@alanrtaylor.net>
Message-ID: <C1FZ7.6191$eS2.38212788@news-text.cableinet.net>
Source record: 7395

Very poor site ....does not work ...middle section useless.

G0SMD
"g3zhi" <g3zhi@hotmail.com> wrote in message
news:3c37bf53.3228090@news.btinternet.com...
> to listen go to link 229 on my web site
>
> http://www.qsl.net/g3zhi
>
>
> 73 ian g3zhi
>
>
>
>
>
>
>
>

22. skysweeper 2.6

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-05 22:13:28 UTC
From: "p.churchill" <p.churchill@ntlworld.com>
Message-ID: <ITKZ7.7854$vf6.1390385@news6-win.server.ntlworld.com>
Source record: 7396

can anyone advise me how to get skysweeper to work as I can't seem to get it to decode anything at the moment all my other soundcard proggies are working fine is there more to getting this program up and running let me know your thoughts thankyou. PAUL....

23. Re: APRS help needed

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-05 22:50:59 UTC
From: Don <don@NOSPAM.k9soa.net>
Message-ID: <nrLZ7.216266$WW.12644613@bgtnsc05-news.ops.worldnet.att.net>
Source record: 7397

TAPR is where I STARTED but never got ANY replies.

Can't even get a reply from the TinyTackII vendor.

--
Don

www.k9soa.net

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24. Re: APRS help needed

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-05 22:56:12 UTC
From: Don <don@NOSPAM.k9soa.net>
Message-ID: <gwLZ7.216272$WW.12645063@bgtnsc05-news.ops.worldnet.att.net>
Source record: 7398

Just checked out TAPR site. If there is connection info for my units, I sure couldn't find it.

I'll go back and check again later.

--
Don

www.k9soa.net

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25. Re: APRS help needed

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-05 23:25:32 UTC
From: Roger Barker <roger@peaksys.co.uk>
Message-ID: <S1SnzIAst4N8EwB+@peaksys.co.uk>
Source record: 7399

In article <nrLZ7.216266$WW.12644613@bgtnsc05-news.ops.worldnet.att.net>
, Don <don@NOSPAM.k9soa.net> writes
>TAPR is where I STARTED but never got ANY replies.

Did you try the TAPR APRRSIG mailing list?

>Can't even get a reply from the TinyTackII vendor.

That's surprising, but I guess it depends on what you asked. The
TinyTrack is a device that probably requires a reasonable knowledge of
APRS in order to use it.

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

26. Re: PSK 31 - Power Levels

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-06 01:49:00 UTC
From: "George, W5YR" <w5yr@att.net>
Message-ID: <3C37AD0A.CBA352C6@att.net>
Source record: 7400

I am not sure what "filtered PSK" is, but when a properly adjusted PSK31 transmitter is in idle mode - no keyboard activity - it is transmitting a classic two-tone SSB signal. As such, the average power is one-half the peak power. If the peak power is set at the maximum keydown power output of the transmitter, then in idle the PSK31 signal represents a duty cycle of 50%.

This goes up to around 70% to 80% when keyboard activity ensues and character codes are being transmitted.

One convenient check on signal quality, if you don't have access to a scope to monitor the r-f output envelope of the two-tone signal to check for symmetry and clipping, etc., is to measure the keydown or tune power output of the transmitter with an average-reading wattmeter, and then change to an idle condition. The meter reading should drop to one-half its previous value.

If you have a peak-reading wattmeter, the test is even easier. Set the meter to read PEP and let the idle run for a few seconds until the meter reading settles down. Then switch the meter to read average power, and it should drop in half.

This is a very sensitive test for clipping and overdrive distortion that Peter Martinez mentioned in the help notes of his first program release.

Note that I do not advocate running the transmitter at its maximum limits. Most will present unacceptable third and fifth intermodulation products when driven that hard. As an example, my Icom IC-756 PRO puts out exactly 100 watts key down on 20 meters. I find that by operating with a 40 watt PEP that I can get IMD readings of -30 db or better. At 100 watts PEP, the IMD is no better than -20 db.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262 COG 8
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All incoming and outgoing email virus-checked by Norton Anti-Virus 2002

Alexander Kurpiers wrote:
>
> "Bob Lewis (AA4PB)" wrote:
> > supply may not be able to handle the heavy duty cycle (as compared to
> > SSB or CW) of PSK31. The other is that the transmitter will generally
> > put out a much cleaner signal at lower power levels. Since the PSK31
>
> Filtered PSK like PSK31 has quite a low average power compared to the

> peak power level
> (like speech if not compressed with a speech processor). So the power
> reading
> of the TRX should be a lot lower than maximum, otherwise the PSK signal
> gets distorted and
> is by no means a narrow signal anymore!

27. Soundcard Packet Software

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-06 02:14:24 UTC
From: kg4ggx@aol.com
Message-ID: <20020105211424.07330.00003058@mb-mi.aol.com>
Source record: 7251

Hi all & Happy New Year
Is it possible to do HF Packet, and/or Vhf Packet using a soundcard? If so,
what software is availible to do this? Or can this only be done is using a TNC?
Thanks for all replys
73 Rob K4MAU

28. Re: APRS help needed

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-06 03:21:51 UTC
From: Don <don@NOSPAM.k9soa.net>
Message-ID: <jpPZ7.10073$fe1.411944@bgtnsc06-news.ops.worldnet.att.net>
Source record: 7252

I would have expected some type of reply from a vendor. The question was
on the newer software.

--
Don K9SOA EM77EX

www.k9soa.net

Home of JEANNIE
The House That Listens
As seen on HGTV's
Dream Builder Show

Featured Home of the Month
Feb 2002 issue
Home Automation Magazine

29. Re: Soundcard Packet Software

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-06 04:15:06 UTC
From: sstvswl <sstvswl@attbi.com>
Message-ID: <ebQZ7.443$MU4.1510@rwcrnsc53>
Source record: 7253

http://www.qsl.net/soundcardpacket/SetAGW.htm

KG4GGX <kg4ggx@aol.com> wrote in message
news:20020105211424.07330.00003058@mb-mi.aol.com...
> Hi all & Happy New Year
> Is it possible to do HF Packet, and/or Vhf Packet using a soundcard? If
so,
> what software is availible to do this? Or can this only be done is using a
TNC?
> Thanks for all replys
> 73 Rob K4MAU

30. Re: APRS help needed

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-06 04:16:10 UTC
From: sstvswl <sstvswl@attbi.com>
Message-ID: <ecQZ7.455$MU4.1889@rwcrnsc53>
Source record: 7254

http://www.qsl.net/soundcardpacket/SetAGW.htm

31. Re: skysweeper 2.6

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-06 08:05:52 UTC
From: Arto Peltomaki <artsi@estla.pp.fi>
Message-ID: <AzTZ7.7056$zZ5.141835@news.kpnqwest.fi>
Source record: 7255
Body handling: HTML body converted to readable text

p.churchill wrote in message
news:ITKZ7.7854$vf6.1390385@news6-win.server.ntlworld.com...
> can anyone advise me how to get skysweeper to work as I can't seem to get
it
> to decode anything at the moment all my other soundcard proggies are
working
> fine is there more to getting this program up and running let me know your
> thoughts thankyou. PAUL....

I think you are running skysweeper in the demo mode. In the demo mode most
of the decoders will not support soundcard.
If I remember correctly, some analysers can be run fully (with soundcard
support) in the demo mode as well as some decoders (MFSK16 etc).
The most of the decoders can only be tested in the demo mode by reading
signal from the file.
I know many registered skysweeper users and never heard any soundcard
problems.

-artsi

32. FT-817 and Data-comm (RTTY) ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-06 10:27:31 UTC
From: Torbj&#65533;rn Morka <tmorka@online.no>
Message-ID: <gEVZ7.20697$KQ3.353026@news1.oke.nextra.no>
Source record: 7256
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc

Anyone who has experiensed how to use the "Data-plug" in the rear and
actually use software like "HamScope" ?
The user-guide seems to be somewhat erroneus, and i have no clue of how to
get it done succesfully.
The pin 1 should be audio in
Pin 2 GND
Pin 3 PTT
Pin 4 Data (Sound) out at 9600bps
Pin 5 Data out at 1200 bps.
Pin 6 Squelch-control open at +5v closed at 0 v.

However, closing pin 3 to ground does not activate PTT...
Sound comes out of pin 6 !

Thanks for all help--

T.

33. Re: Where can I hear RTTY?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-06 10:38:57 UTC
From: Torbj&#65533;rn Morka <tmorka@online.no>
Message-ID: <%OVZ7.20710$KQ3.354084@news1.oke.nextra.no>
Source record: 7257

"Lewis Cason" <lew_jean@bellsouth.net> wrote in message
news:66dR7.139475$8n4.10260870@e3500-atl1.usenetserver.com...
> Here is a list of digital mode frequencies that I have downloaded
> You will need Acrobat reader (www.acrobat.com)
>
> Lew
> N4HRA

Try the actual file next time, not just a shortcut :-))

T.

34. Re: FT-817 and Data-comm (RTTY) ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-06 12:24:54 UTC
From: hamish@cloud.net.au
Message-ID: <3c384216$0$26315$afc38c87@news.optusnet.com.au>
Source record: 7258
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc

In rec.radio.amateur.digital.misc <tmorka@online.no> wrote:
> The pin 1 should be audio in
> Pin 2 GND
> Pin 3 PTT
> Pin 4 Data (Sound) out at 9600bps
> Pin 5 Data out at 1200 bps.
> Pin 6 Squelch-control open at +5v closed at 0 v.

> However, closing pin 3 to ground does not activate PTT...
> Sound comes out of pin 6 !

The 847 has a port like this for FM data (packet) only. For digital
modes like RTTY etc there is an HF data port. Maybe the 817
has something similar?

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

35. ARNewsline 1273 - Jan 4 2002

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-06 19:16:46 UTC
From: radionews@aol.com
Message-ID: <20020106141646.08107.00000031@mb-fi.aol.com>
Source record: 7259

AMATEUR RADIO NEWSLINE(tm) REPORT #1273 - January 4 2002
(Total Running Time with RAIN Promo: 24:48)

==========

A NOTE TO THOSE WHO ONLY “READ” AMATEUR RADIO NEWSLINE(tm)

For those of you who only know of the Amateur Radio Newsline (tm) as a text newsletter we would like to invite you to listen to the audio version. This Amateur Radio Newsline (tm) script is actually written for the “spoken word.” It is recorded each by professional broadcasters and is available for private listening or rebroadcast over your repeater. Three methods of delivery are available: Streaming audio using RealAudio, FTP RealAudio, FTP MP3 or dial-in telephone. Please visit our website at http://www.arnewsline.org for a list of telephone numbers (you have to pay your own long distance charges) and links to audio servers providing our voice newscast. On site free FTP Downloads are available at our site by clicking on the newscast number at the top of the page.

de
The Newsline Production Team

==========

Amateur Radio Newsline report number 1273 with a release date of Friday, January 4 2002 to follow in 5-4-3-2-1.

The following is a Q-S-T. A “V-E team” finds a way to test kids in one of the most remote regions of the country and the FCC again says no to expanding PRB-. These stories are first on Amateur Radio Newsline report number 1273 coming your way right now.

(Billboard Cart Here)

**

HAM RADIO TESTING REACHES WHITE MOUNTAIN ALASKA

Ham radio examinations have finally come to one of the remotest areas of the nation. This, after a team of examiners from the W5YI VEC perform a fly-in examination session in White Mountain Alaska. Amateur Radio Newsline’s Norm Seeley, KI7UP, has the details:

--

White Mountain is a remote fishing village in the far North-West of Alaska. It’s major claim to fame is that its the next to the last checkpoint for the famed Iditarod dog sled race. And it wanted someone to come in and give ham

radio exams.

The closest big city is Nome. White Mountain is only about sixty miles from Nome but its over some rather treacherous terrain. There are no roads in or out and all supplies to White Mountain have to be delivered by plane or boat.

But White Mountain does ham a ham radio operator for its mayor. He is reindeer farmer Tom Gray KL0CQ. And one of its school board members is Eric Morris KL7HT. Both will tell you that a temperature of minus 40 degrees Fahrenheit and a wind-chill factor of minus 100 degrees is not uncommon in winter. These were the conditions faced by a four member W5YI VEC test team when it chartered a plane and flew in on December 11th to administer exams to four adults and fourteen youngsters who were determined to make ham radio a part of their life.

The trip which cost $800 for the flight alone was sponsored by the Seward Peninsula Amateur Radio Club. Braving the weather were examiners Ramon Gandia AL7X, Michael Nurse KL7UJ, Scott Webber AL7RJ and Thomas Busch NL7H. Al four are from Nome. Most of those to be tested came from the Bearing Strait School District’s only inland school. They had all been studying for their Amateur license as part of a search and rescue course. Neither the applicant or the VE team were disappointed. All eighteen passed the Technician class exam.

For the Amateur Radio Newsline, I’m Norm Seeley, KI7UP.

--

Those involved in ham radio testing are keenly aware of the problems faced by remote areas of Alaska. At last July’s VEC Conference in Gettysburg Pennsylvania Jim Wiley KL7CC told the group that many applicants in Alaska are denied n Amateur Radio license exam due to the inaccessibility of their locations or the high cost of travel in that state. (W5YI)

**

HAM RADIO AND THE LAW: FCC SAYS NO ON PRB-1 EXPANSION REQUEST

Ham radio has lost yet another battle against deed restrictions, but the war is not over yet. At least that’s what the ARRL appears to be saying in a bulletin that describes the latest skirmish with the FCC over this politically volatile issue.

In the latest round, the FCC has affirmed a November 2000 staff-level decision that declined to include privately imposed deed covenants, conditions and restrictions under the limited federal preemption known as PRB-1. That’s the federal government policy requires municipalities to ''reasonably accommodate'' amateur communication in antenna-related zoning and regulation.

The ARRL last year appealed to have the full FCC review the earlier denial. The Commission turned down the League's Application for Review December 18 in a Memorandum Opinion and Order released December 26. As a result, it now looks as if the ARRL will bypass any further dealings on this issue with the FCC and will look for congressional relief instead.

The FCC itself even hinted that Congressional action by the ham community might be a next logical step. Its memorandum, opinion and order of dismissal did note that if Congress were to see fit to enact a statutory directive mandating the expansion of the FCC’s reasonable accommodation policy that the Commission would expeditiously act to fulfill its obligation there under. Translated: If Congress tells the FCC to include deed restrictions under the provisions of PRB-1, it will be more than happy to do so. (ARRL)

**

HAM RADIO IN SPACE: PROJECT JJ - HE EAGLE HAS LANDED

AMSAT-NA's newest satellite project, known as Project JJ for the past year, now has a new and official name. This, as AMSAT North America President Robin Haighton, VE3FRH, announces that effective January 1, 2002, the satellite will officially be known as 'Eagle'.

The name Eagle was submitted by Bill Allen, W7US, of Tucson, Arizona. It was selected from a list of forty-five names submitted by twenty-nine satellite operators.

For his winning suggestion, W7US will receive a free dinner at the annual AMSAT dinner held during the Dayton Hamvention. We will have more ham radio space related news later on in this weeks Amateur Radio Newsline report. (AMSAT-NA, ANS)

**

BREAK 1

Welcoming in the new year with ham radio news coming to you from the United States of America. We are the Amateur Radio Newsline, heard on bulletin stations around the world, including the N7VGS repeater serving the Salt River Star Valley Wyoming and congratulating 13 year old Devin Cassity, on becoming the youngest ham in South West Wyoming. Devin is now KD7PHN.

(5 Sec Pause Here)

**

EMERGENCY PREPAREDNESS: NORTHERN CAL TOWN CHOOSES HAM RADIO

Ham radio started the year with some very positive public exposure in the Los Angeles Times. The January 1st edition featured an in depth article about a Northern California town that will tap into older technology to prepare for future emergencies.

Worried that a disaster will knock out e-mail and cell phones, Los Altos Hills has decided to turn to its local ham radio community and make it the primary back-up to normal disaster preparedness communications. And as you might expect, the hams are more than ready to oblige

The complete story can be read at the Los Angeles Times website. The complex URL is http://www.latimes.com/news/local/la-000000203jan01.story. (Highlighted by ARNewsline™)

**

AMERICA AT WAR: POPCOMM COLUMNISTS SAYS “DONT TURN THE OTHER CHEEK”

Popular Communications writer Eric Force has some strong words that are obviously aimed at the pacifists who oppose the United States military retaliation against Osuma bin Laden and his al-Quida terrorist network. As a response to those he calls the “do-gooders of the world” who promote turning the other cheek, Force says to look, really look at the attack that brought down New York City’s World Trade Center twin towers. He then says that it could have struck a lot closer to them.

Force says and we quote: “Consider that it could have been you, your mom, dad, brother, sister other relative or a close friend in those planes and buildings who were terrorized, murdered and buried in the rubble.” He adds that just thinking about the incomprehensible terror, suffering and losses incurred by innocent human beings a the cowardly hands of international thugs continues to tear at his heart.

Force has dedicated his latest I-Waves column to the sights and sounds of September 11th that are available on the Internet and to the victims of the tragedy. Its a very compelling article. You can find it starting on page 66 of the January edition of Popular Communications Magazine that’s on newsstands right now. (PopComm)

**

AMERICA AT WAR: FEDS TO AID NYC TV STATION REBUILD

New York television stations will be getting federal help rebuilding transmitters that were destroyed in the September 11th terrorist attack on the World Trade Center. A total of ten New York area stations will receive eight point two million to offset the thirty million to forty million dollar price tag for purchasing and
constructing a new transmission facility.

According to the Broadcasting and Cable newsletter, Senator Charles Schumer managed to secure the funding as addition to emergency aid appropriation for victims of the attacks. As previously reported, there is some speculation that the replacement transmitting facility could be a 1500 to 2000 foot high stand-alone tower constructed near the former site of the Twin Towers. (Broadcasting & Cable)

**

ENFORCEMENT: NAL CANCELED

The FCC has canceled a proposed ten thousand dollar fine that it had issued to Jeffrey Alan Pettrey, This, for his apparent violation of Section 301 of the Communications Act involving operation of an unlicensed radio transmitter.

Back on July 30, 2001, the District Director of the Commission's Columbia, Maryland Field Office issued a Notice of Apparent Liability for Forfeiture in the amount of $10,000 to Pettrey for the infraction. Pettrey filed a response to the N-A-L on August 7, 2001 accompanied by documentation regarding his

inability to pay the proposed fine. After reviewing Pettrey's response, the FCC conclude that cancellation of the proposed $10,000 forfeiture is warranted based on Pettrey’s inability to pay. (FCC)

**

ENFORCEMENT: FCC CANCELS CONVICTED HAMS LICENSE

The FCC has canceled the Amateur license of Kenneth P. Kelly, WT2FBI, of Greensboro North Carolina after Kelly failed to show up for a re-examination. But at the time of the FCC retest order Kelly was otherwise occupied. He was fighting criminal charges in relation to a jamming case in Ohio. We have this report:

--
On November 30, 2001, Kenneth Kelly, the ex-WT2FBI was sentenced to 5 years probation by the Judge H. J. Bressler in a Butler County Ohio court. He had previously been indicted on a 4 th degree felony charge of disrupting public service by his jamming and talking on the Middletown Ohio police radio system.

At his hearing, Kelly agreed to a plea bargain. He admitted his guilt to a reduced charge attempted disrupting public services. At the time the FCC pulled his ham radio ticket Kelly was being held in the Butler County Ohio Jail pending sentencing.

By way of background, a person later proven to be Kelly was first noticed on the Middletown police radio channel the third week of July 2001. Initially the police dispatch radio system was not recording him but that was soon remedied by city radio technicians. After several days of taping, it was observed that the voice on the police radio was similar to one heard on the local 2 meter Amateur frequencies.

Several members of the Dial Radio Club then assisted police by monitoring and taping Kelly on the 2 meter band. Tapes from 2 meters and from the police were then voice printed the aid of computers to check similarities. Dial club members also tried to direction find and locate the signal both on 2 meters and on the police channel.

Through some luck, detectives working with a metro housing police officer and discovered that Kelly was now living in their jurisdiction. After they interviewed him, they felt that he was the person interfering. As the investigation progressed, he admitted to detectives that he may have accidentally transmitted on their frequency by accident. He claimed that his signal may have been mixing with an FM broadcast station and another ham repeater.

But Police did not believe it was accidental, because he was taped trying to talk directly to the police dispatcher and the cars. Later Kelly did admit his guilt and entered into the plea bargain. Now sentence has been passed by both the local court and the FCC.

For the Amateur Radio Newsline, I’m Burt Hicks, WB6MQV, reporting.

--

When he was finally caught Kelly had a Yaesu VX-5 hand held in his possession that had been modified to transmit out of band. The assistance of the Dial Radio Club members is credited with helping to solve this case.

Note: Information and documents from the case can be obtained from the Butler County Ohio Clerk's office or online at: http://www.butlercountyclerk.org/ Click on Butler County Court Records Search. Then enter Kenneth Kelly. (FCC, Dial ARC, others)

**

ENFORCEMENT: MITNICK TO FIGHT TO KEEP HIS HAM LICENSE

Another ham who appears to be getting ready to do battle with the FCC is former computer hacker turned talk show host Kevin David Mitnick, N6NHG. Amateur Radio Newsline’s Bill Pasternak, WA6ITF has the latest:

--

As reported last week, the FCC is challenging Kevin David Mitnick's request to renew his ham radio license. The agency claims that his criminal background raises a substantial and material question of fact as to whether Mitnick possesses the requisite character qualifications to be and remain a commission licensee.

Now, N6NHG has told the U-K Newspaper the Register: "It's just another example of them trying to harass me. Now I've got to spend money to keep a ham license."

Mitnick insists that he has totally abandoned his former ways. The Register article notes that that he was recently called to testify before Congress on federal computer security matters. Also that he spent two days briefing the U-S Commission on National Security on these issues. Mitnick tells the Register that he cannot understand why the government is now questioning his character.

Mitnick is currently the host of the radio program called The Dark Side of the Internet. It airs in the Los Angeles area from 5 to 7 a.m. Sunday mornings over radio station KFI 640 AM. And in a recent appearance on Coast to Coast A-M hosted by Art Bell, W6OBB, Mitnick said that he is hoping for a career in computer security once his term of supervised release from prison has been completed.

For the Amateur Radio Newsline, I’m Bill Pasternak, WA6ITF.

--

The complete Register story and interview with Mitnick is on the web at a rather long and complex U-R-L. You will find it at http://www.theregister.co.uk/content/55/23494.html (Adapted from the Register)

**

INTERNET SECURITY: CIA GOES OUT OF ENCRYPTION COMPANY FUNDING

And speaking of Internet security, word that a Central Intelligence Agency funded company that allowed Web surfers to browse anonymously has closed. According to news reports, Emeryville California based SafeWeb enabled Internet users to gain access to the World Wide Web and browse sites through its encrypted service. This made their on-line habits and history untraceable. In the 2000 - 2001 fiscal year, SafeWeb received one million dollars in funding from the U-S Central Intelligence Agency's venture capital arm. (published reports)

**

BREAK 2

From the United States of America, we are the Amateur Radio Newsline, with links to the world from our only official website - www.arnewsline.org.

(5 sec pause here)

**

HAM RADIO BUSINESS: AMATEUR RADIO TRADER CEASES PUBLICATION

Ham radio Internet auction sites may be responsible for a twice a month ham radio equipment sales magazine going away. This, after Amateur Radio Trader magazine announces that it has ceased publication.

According to Editor Barbara Patterson, KF4MMV, the Amateur Radio Trader was no longer a viable product. She says that the firm will be redirecting its resources into other areas.

Meantime, the company has also pulled its amateuradiotrader.com website off line. But unlike other publications which have gone under, in this case subscribers are being reimbursed for any outstanding issues. In addition to handling buy and sell ads, Amateur Radio Trader also donated page space to advertising the annual Newsline Young Ham of the Year award. (ARNewsline™)

**

HAM RADIO HERITAGE: MAKING WCC A PART OF THE FUTURE

A ham is campaigning to preserve part of radios past and have it become a part of the future. This as Lewis Masson, K1LJ-S, says that the town of Chatham Massachusetts should convert the site of radio station WCC into an Amateur Radio station along with a training curriculum to teach the kids in the area about communications technology.

WCC is one of the original Marconi Marine Radio Stations. Masson is an ex-marine telex operator at WCC. The site was recently turned over to the town of Chatham and Masson believes it is important to preserve the operations building as an operating amateur radio station and keep the hotel building as a museum to preserve and display memorabilia.

Masson says over the Internet that he has formed a committee to work on this project and that they are looking for nationwide support for this campaign. If preserving the past as an investment in the future is of interest to you, please contact K1LJS by e-mail to lemasson@juno.com. (Internet)

**

SPECIAL EVENTS: HAM RADIO UNIVERSITY 2002

A reminder the third annual Ham Radio University event takes place on January 20, 2002. Location is the Babylon Long Island New York Town Hall Annex with the doors opening at 9 a-m Eastern time.

Ham Radio University is a day of education about Amateur Radio. This there will be twenty, one-hour presentations with special forums geared to the non-ham as well as the experienced Amateur Radio operator. The focus will be "hands on" with many demonstrations. Besides the forums, there will be tables set up with information about the different groups, ham radio classes, exam session schedules, public service and other activities.

For more information about Ham Radio University, please contact its Chairman Phil Lewis N2MUN by e-mail to n2mun@optonline.net. You can also get in touch with ARRL New York and Long Island Section Manager, George Tranos N2GA by e-mail to n2ga@arrl.org. Also check the Ham Radio University website for a full list of forums, directions and talk-in information. Its in cyberspace at www.arrlhudson.org/nli/hru2002.htm (N2DO)

**

HAM RADIO RECORDS: BEST OF THE WEST AND VHF CONTEST HONOR ROLLS

Tim Marek, K7XC, says that he has updated W6 / W7 & "Best In The West" VHF Contest Honor Rolls. They are now available at the following web sites.

http://k7xc.tripod.com/VHF_Records/index.html s the stand alone records page. http://k7xc.tripod.com/K7XCweaksignal/ is where individual links can be found to each contest. (VHF Reflector)

**

HAM RADIO SCIENCE: NEW 6 METER PROPAGATION BEACON IN WASHINGTON STATE

Rich Ewing, KO7N reports over the VHF Reflector that Bruce Shurtz, W7BAS, has installed a propagation beacon in gridsquare CN87TG near Kennmore Washington. It operates on 50.069 MHz putting out 10 watts to a 5 element yagi pointing 90 degrees. The beacon is operational 24 hours a day, seven days a week. QSN reports go to W7BAS, at his callbook address. (VHF Reflector)

**

HAM RADIO IN SPACE: VERY FEW LAUNCHES

Peter Guezlow, DB2OS, reported that 2001 has turned out to be the slowest year for space launches in nearly 40 years. Ham radio or otherwise. According to DB2OS, only 58 flights reached orbit, and there was one complete failure.

Guezlow says that historians note that we must look back to 1963 to find a year that produced fewer launches. He says that in 2000 there were 82 launches to orbit plus three failures. By contrast the most productive year was 1984 when 129 launches delivered payloads into orbit.

But there is at least one bright note. Russia successfully placed five satellites into orbit recently after launching them aboard a Zenit rocket. The cargo rocket, carrying three Russian, one Moroccan and one Pakistani satellite, took off from the Baikonur space center in Kazakhstan. (AMSAT, ANS)

**

HAM RADIO IN SPACE: NEW INDIA WEBSITE

The AMSAT-India website has been officially launched recently by the government of India and the Department of Space. VU2POP says that you can check it out by taking your browser over to www.amsatindia.org. (ANS)

**

CONTESTS: HUNTING LIONS ON THE AIR

The 31st annual Hunting Lions in the Air contest will take place on the weekend January 12th to the 13th. The contest period will be 48 hours and will run from midnight UTC Friday night to midnight UTC Sunday night, and all hams are welcome to participate.

According to its sponsors, the objective of this operating event is to create and foster a spirit of international understanding and cooperation among radio amateurs and members of the Lions Clubs through the use of world-wide radio communication. The contest also commemorates the birthday of Melvin Jones, the founder of the Association of Lions Clubs who was born at Ft. Thomas, Arizona on January 13, 1879. (Q-News)

**

DX

In DX, word that the recently postponed Ducie Island Dxpedition is on again for March. Ducie Island became a DXCC entity last November and it immediately jumped to the top of the most wanted contact list. But rough seas scuttle the first attempt to put it on the air. (RSGB)

Meantime 6 meters continues to be the V-H-F D-X band of choice. On Monday December 31st, Kevin Bishop WB8XX, says that he started hearing O-H-1-X-T at 1300 U-T-C on a backscatter path. From then on until 1620 U-T-C he worked 8 new countries and over thirty new grids in Europe and Asia. (VHF Reflector)

**

STRANGE TECHNOLOGY: ARE CELLPHONES KILLING GHOSTS?

Now, from radio communications to the effect of radio communications on supernatural communications. This, as a British expert who has spent years researching the occult says that cellular and other mobile phones are killing off ghosts. Don Wilbanks KC5MFA has the details:

--

No, we are not kidding you. In fact, Tony Cornell, of the Society for Psychical Research, has told the London Sunday Express that reports of ghost

sightings started to decline when mobile phones were introduced 15 years ago.

According to Cornell, ghost sightings had remained consistent for centuries. In fact, until three years ago the society received one or two new ghost sighting reports every week. But with the introduction of mobile phones 15 years ago, ghost sightings began to decline to the point where they are not receiving any.

And why are there no longer any ghosts being observed? Apparently paranormal events, which many scientists attribute to unusual electrical activity, my be drowned out by the electronic noise produced by cellular telephones and text messaging pager transmitters. And according to the newspaper, the lack of ghost sightings could adversely impact on the nations economy. It says that haunted tourist attractions in Britain could be under threat if the number of cellphones continues to grow from the present figure of about 39 million now in use in the U-K.

Don Wilbanks, KC5MFA.

--

And all of this begs that one question be asked. If ghosts are the spirits of the dead, how can anything actually kill them? (Science Today)

**

NEWSCAST CLOSE

With thanks to Alan Labs, Amateur News Weekly, AMSAT, the ARRL, the CGC Communicator, CQ Magazine, the FCC, the Ohio Penn DX Bulletin, Radio Netherlands, Rain, the RSGB and Australia's Q-News, that's all from the Amateur Radio Newsline(tm). Our e-mail address is newsline @arnewsline.org. More information is available at Amateur Radio Newsline's(tm) only official website located at www.arnewsline.org. You can also write to us or support us at Amateur Radio Newsline(tm), P.O. Box 660937, Arcadia, California 91066.

For now, with Bill Pasternak, WA6ITF, at the editors desk, I’m Mert Garlick, N6AWE, saying welcome to the year 2002, 73 and we thank you for listening."
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**

END NEWSCAST - RAIN PROMO

36. Re: nearly 300 repeaters now connected on irlp

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-06 21:04:09 UTC
From: Brendan Minish <bminish@oceanfree.net>
Message-ID: <rseh3u47v4v3umimvskrmpvnpqu10vucgm@4ax.com>
Source record: 7260

Try
http://www.irlp.net/

--
Brendan Minish

37. Re: Soundcard Packet Software

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-07 00:18:54 UTC
From: Chris Smolinski <cps@blackcatsystems.com>
Message-ID: <060120021918546860%cps@blackcatsystems.com>
Source record: 7261

In article <20020105211424.07330.00003058@mb-mi.aol.com>, KG4GGX
<kg4ggx@aol.com> wrote:

> Hi all & Happy New Year
> Is it possible to do HF Packet, and/or Vhf Packet using a soundcard? If so,
> what software is availible to do this? Or can this only be done is using a
> TNC?
> Thanks for all replys
> 73 Rob K4MAU

http://www.blackcatsystems.com/software/multimode.html for Macintosh
software to do this, and more!

73
Chris
N3JLY

--
Chris Smolinski
Black Cat Systems
http://www.blackcatsystems.com/
Macintosh Softwware - Specializing in audio, educational, and amateur radio

38. HAL - P-38 Help please..

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-07 05:49:00 UTC
From: John <noone@home.net>
Message-ID: <gFa_7.3577$e4.1433137@news0.telusplanet.net>
Source record: 7262

Does anyone know how to wire the HAL Communications P-38 HF Modem (pactor,clover,rtty) to radio.... please help .. thanks

39. Re: HAL - P-38 Help please..

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-07 12:39:23 UTC
From: "Bob Lewis (AA4PB)" <rlewis@staffnet.com>
Message-ID: <u3j5ofon7rss8f@corp.supernews.com>
Source record: 7263

> Does anyone know how to wire the HAL Communications P-38 HF Modem
> (pactor,clover,rtty) to radio.... please help .. thanks
>
Pretty much the same as a sound card - Rx audio, Tx audio, PTT, and
ground. If you don't have the P38 manual, I'd get one from HAL before
proceeding.

40. Re: FT-817 and Data-comm (RTTY) ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-07 14:37:55 UTC
From: IJ.McCrum@ulst.ac.uk
Message-ID: <3c39b169.12278127@news.ntlworld.com>
Source record: 7264
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc

I used the information on K6XX's website, search for BBox.

You may be looking at the pins the wrong way around, for PSK31 I just
wired DATA OUT to SOUND in
DATA IN to SOUND OUT and PTT on the 817 to the collector of a 2n3904,
whose base came from DTR, pin 4 of a 9 pin D-type connected to a
COMport. The ground of the transistor, PIN 5 of the 9 pin and shields
of the two 3.5 MM jacks going to the sound card goto to ground on the
FT817.

Unfortunately I would have to disassemble my plugs to figure out which
way around the pins are numbered.

It does work nicely on digipan...

Ian McCrum, MI5AFL, email address by google search...

On Sun, 6 Jan 2002 11:27:31 +0100, "Torbj&#65533;rn Morka" <tmorka@online.no>
wrote:

>Anyone who has experiensed how to use the "Data-plug" in the rear and
>actually use software like "HamScope" ?
>The user-guide seems to be somewhat erroneus, and i have no clue of how to
>get it done succesfully.
>The pin 1 should be audio in
>Pin 2 GND
>Pin 3 PTT
>Pin 4 Data (Sound) out at 9600bps
>Pin 5 Data out at 1200 bps.
>Pin 6 Squelch-control open at +5v closed at 0 v.
>
>However, closing pin 3 to ground does not activate PTT...
>Sound comes out of pin 6 !
>
>Thanks for all help--
>
>T.
>
>

41. PSK software, the "Waterfall" and TNC's?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-07 18:52:18 UTC
From: Bob Cook <captcook@compuserve.com>
Message-ID: <a1cqog$5cn$1@suaar1ac.prod.compuserve.com>
Source record: 7265

Some questions re PSK31...

I am just getting started with PSK. It's very entertaining, and at least for me, a new way to combine and explore ham radio and computer capabilities.

I have tried a number of PSK programs, Digipan, Winpsk, Wpwin and NcWinPtc. Most recently I looked at W1SQL's program. It is pretty slick displaying up to 20 QSO's at a time instead of one or two.

I certainly like and see the advantage of the "Waterfall" frequency display. I see that most if not all but one so far, NcWinPtc, require a sound card and an audio interface. If possible I'd like to avoid having to buy or build an interface. I already have a great TNC. It's an SCS PTC-IIe. I use it primarily for Pactor II email. as a frequent maritime mobile.

My computer(s) are two Toshiba Tecra laptops, one older a Tecra 500, and one newer, a Tecra 8100. Both appear fast enough to handle the various PSK software apps I've tried so far. SSB is an Icom 728.

Question 1: Since I'm using laptops with built in sound circuitry, is the sound circuitry in the two laptops up to the task of sending and receiving PSK if I bought an audio interface?

Question 2: Does anyone know of a TNC compatible PSK program with a "Waterfall" frequency display?

Question 3. I'm wondering if there is a consensus around the most desireable or undesireable interfaces or the most desireable or undesireable qualities in an interface, ie what to look for or avoid?

Thanks tons for your help...

Bob
K9KKY

www.Ocean-Pro.com
Naples, Florida 34112
941-775-7435, 800-329-4884

42. Re: PSK software, the "Waterfall" and TNC's?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-07 19:32:18 UTC
From: xpyttl <xpyttl_nospam@earthling.net>
Message-ID: <u3jtuf9egt7t85@corp.supernews.com>
Source record: 7266

"Bob Cook" <captcook@compuserve.com> wrote in message
news:a1cqog$5cn$1@suaar1ac.prod.compuserve.com...
> Some questions re PSK31...
>
> Question 1: Since I'm using laptops with built in sound circuitry, is the
> sound circuitry in the two laptops up to the task of sending and receiving
> PSK if I bought an audio interface?

PSK doesn't take anything fancy in the way of sound cards. If your laptops
are fast enough to be reasonable running WIn 9x, then they should be fine
for PSK.

As mostly a homebrewer, this idea of "buying" an interface seems a little
alien to me. I would suggest running a wire from the headphone jack of your
rig to the sound input of your laptop and see how well you can receive. If
you are terrified of a soldering iron, now you can invest in an interface
confident that you have enough computer to do the job. If you don't mind
melting a little solder, lash up an optical coupler between the rig and the
serial port and away you go.

> Question 2: Does anyone know of a TNC compatible PSK program with a
> "Waterfall" frequency display?

This is a little like asking if anyone knows of a sports car compatible with
a particular brand of horseshoes. Your TNC has nothing to do with PSK-31.
Even though they are similar in that you hook them up to a rig and type to
other hams, technically they are very dissimilar. It's very hard to do
packet in software, but easy in hardware. It's hard to do PSK-31 in
hardware, but easy in software.

The only PSK-31 hardware I've seen is a box that George Heron built, and
threatened to kit through NJQRP. It translates between PSK-31 and Morse, so
that you can send with your paddle and receive with your ears. No waterfall
display, tho. He did have an LCD on the front that displayed the letters
received, and he did have a port for a keyboard. The idea was that when
coupled with the NJQRP PSK-31 transceiver, it could be a lot more portable
than lugging a laptop. Of course, the PSK-31 decoding was still done in
software, just not on a PC. I haven't seen the kit appear yet, so I'm
guessing it turned out too expensive.

> Question 3. I'm wondering if there is a consensus around the most
desireable
> or undesireable interfaces or the most desireable or undesireable
qualities
> in an interface, ie what to look for or avoid?

There's really nothing to the interface, so good/bad is mostly a matter of personal preference. The only significant difference I'm aware of is that some use a transistor to key the rig, others an optical coupler. The more paranoid may prefer the optical coupler.

IMO, it's a bit of a red herring, tho. The coupler, in principle, makes it impossible for the rig to toast the computer, and vice versa. But it only applies to the keying line. The audio lines are still a risk. I suspect a pretty small risk, however. Might matter if you are using a really old tube rig with bunches of volts on the keying line.

Some of the fancier ones provide a sort of patch panel functionality that let you select several rigs and/or computer inputs. I haven't seen the problem on PSK, but some software based RTTY and CW programs seem to be picky about whether they use the mike or line inputs. Being able to select between them by a switch, instead of crawling around behind the computer, could be a plus, especially if the level difference could be dealt with at the interface.

..

43. Warning

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-08 01:32:35 UTC
From: sbril <sbril@bellsouth.net>
Message-ID: <%Rr_7.228480$BX4.12843083@e3500-atl1.usenetserver.com>
Source record: 7267

You should never buy any products from US1Digital. They are crooks and
robbed me for approx. $ 200 on my credit card. I already complained with
Yahoo ! shopping who told me that this company had already been removed once
from their list....

--

* *
* * *
SEE The Seno Bril Update : http://www.bril.org
* *
* * *

44. warning

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-08 01:35:16 UTC
From: sbril <sbril@bellsouth.net>
Message-ID: <xUr_7.228495$BX4.12846623@e3500-atl1.usenetserver.com>
Source record: 7268

WARNING.... Do not buy any products from US1Digital. They are crooks who defrauded me for approx. $ 200.... Let it be know throughout the internet.

Contact me for any details.....

45. Re: APRS help needed

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-08 02:12:37 UTC
From: perry chamberlain <kato@qnet.com>
Message-ID: <3C3A5595.FE86E2EA@qnet.com>
Source record: 7269

Go here, this is the site for the guy who wrote and created aprs. tons of
info
email me if you need any help or info.

http://web.usna.navy.mil/~bruninga/aprs.html

Don wrote:

> Want to get set up with APRS but unable to locate anyone that can help.
> Sent over 15 emails and not ONE reply.
>
> Have the hardware and software but now what?
>
> --
> Don
>
> www.k9soa.net
>
> Home of JEANNIE
> The House That Listens
> As seen on HGTV's
> Dream Builder Show
>
> Featured Home of the Month
> Upcoming Feb 2002 issue
> Home Automation Magazine

--
Perry Chamberlain
Kato@qnet.com
Liv'n on de Edge n de Desert
Everyone has someone in their family who is crazy,
if you don't know who it is, its you!

46. Re: PSK software, the "Waterfall" and TNC's?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-08 17:04:20 UTC
From: houlejm@hotmail.com
Message-ID: <Xns91907ACACA353houlejmhotmailcom@192.26.210.18>
Source record: 7270

>
> This is a little like asking if anyone knows of a sports car compatible
> with a particular brand of horseshoes. Your TNC has nothing to do with
> PSK-31. Even though they are similar in that you hook them up to a rig
> and type to other hams, technically they are very dissimilar. It's
> very hard to do packet in software, but easy in hardware. It's hard to
> do PSK-31 in hardware, but easy in software.
>

I beg to differ. The SCS PTC-IIe will decode PSK-31 very well. But there is
no software that will make a waterfall display out of it's output.

When it comes out of the SCS PTC-IIe the data is already decoded.

The SCS PTC-IIe has it's own tuning indicator

Jean-Marie VE2AEY

47. WTB: Multiport (4+) RS232 Serial Board

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-08 19:07:42 UTC
From: LB <l.s.booth@worldnet.att.net>
Message-ID: <2sH_7.39747$fe1.713766@bgtnsc06-news.ops.worldnet.att.net>
Source record: 7271
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.swap

Looking to add serial ports: ISA or PCI bus, under Windows 98SE.

What do you have and what do you need to get?

Lionel
n5lb@arrl.net

48. Re: PSK software, the "Waterfall" and TNC's?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-10 00:14:14 UTC
From: xpyttl <xpyttl_nospam@earthling.net>
Message-ID: <u3pn72ak3np38e@corp.supernews.com>
Source record: 7272

This is also a software solution, it's just that the software is in the box. The onboard processor, a 68020, is roughly the equivalent of a low-end Pentium, but it's helped along with a second processor, as well as 4 communications controllers and a hardware CRC unit. The typical TNC has perhaps a tenth this processing power.

This is kind of an interesting box, superficially it looks a lot like a fancy TNC, but in many ways, it's quite different.

What it does is combine PC class processing capability with TNC like USRT and CRC capability, allowing it to do both packet and PSK. The communications controllers can apparently be programmed to be either USRT's or UART's, allowing the device to do RTTY and other asynchronous protocols as well. Most of these asynchronous protocols are easily handled by either hardware or software, and most are available in most mid and upper range TNCs, as well as in endless shareware/freeware programs. Most people don't have synchronous serial capabilities on their PC, and the CRC calculation is burdensome in software, so only recently as PC's have gotten a lot more powerful have you begun to see packet approaches based wholly on software. It's the combination of PSK and packet in one box that makes this thing a little unique.

..

"Jean-Marie Houle" <houlejm@hotmail.com> wrote in message
news:Xns91907ACACA353houlejmhotmailcom@192.26.210.18...
> >
> > This is a little like asking if anyone knows of a sports car compatible
> > with a particular brand of horseshoes. Your TNC has nothing to do with
> > PSK-31. Even though they are similar in that you hook them up to a rig
> > and type to other hams, technically they are very dissimilar. It's
> > very hard to do packet in software, but easy in hardware. It's hard to
> > do PSK-31 in hardware, but easy in software.
> >
>
> I beg to differ. The SCS PTC-IIe will decode PSK-31 very well. But there
is
> no software that will make a waterfall display out of it's output.
>
> When it comes out of the SCS PTC-IIe the data is already decoded.
>
> The SCS PTC-IIe has it's own tuning indicator
>
> Jean-Marie VE2AEY

49. Re: PSK software, the "Waterfall" and TNC's?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-10 01:40:11 UTC
From: "Bob Lewis (AA4PB)" <rlewis@staffnet.com>
Message-ID: <u3ps8c8etqlb9d@corp.supernews.com>
Source record: 7273

> This is also a software solution, it's just that the software is in
the box.
> The onboard processor, a 68020, is roughly the equivalent of a
low-end
> Pentium, but it's helped along with a second processor, as well as 4
> communications controllers and a hardware CRC unit. The typical TNC
has
> perhaps a tenth this processing power.
>

The PTC-II and the TNC is also not burdened with all the other
overhead running in a PC.

50. FS: Icom 706MK11G HF/VHF/UHF, and Icom F20 H/H

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-10 08:10:57 UTC
From: Mr Malcolm C Hedley <kayakkhan@bigpond.com>
Message-ID: <ZYb%7.65631$HW3.58248@newsfeeds.bigpond.com>
Source record: 7274

For Sale (Townsville, Queensland)

Icom 706MK11G HF/VHF/UHF Transceiver with UT-106 DSP fitted, AH-4 Auto Antenna Tuner, CT-17 Level converter. As new, manuals ,cables stc.$2100.00

3x Icom F20 H/H 440-470 Mhz, with programming cable, software, Pentium 133 computer, desktop chargers. $800.00

51. Re: PSK software, the "Waterfall" and TNC's?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-10 11:52:13 UTC
From: Terry Dawson <terry@animats.net>
Message-ID: <3C3D806D.50508@animats.net>
Source record: 7275

xpyttl wrote:

> This is also a software solution, it's just that the software is in the box.
> The onboard processor, a 68020, is roughly the equivalent of a low-end
> Pentium, but it's helped along with a second processor, as well as 4
> communications controllers and a hardware CRC unit. The typical TNC has
> perhaps a tenth this processing power.

No disagreement about it being a software solution. It's worth pointing out though that the 'second processor' is the one that actually does just about all the hard work for the HF modes, it's the digital signal processor.

Terry

52. Re: PSK software, the "Waterfall" and TNC's?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-10 20:01:32 UTC
From: jflanders2@home.com
Message-ID: <3c3df30b.9608152@NEWS>
Source record: 7276

There is no reason why a waterfall-capable program cannot be run in
receive-only mode simultaneously on the same computer with the PTC
tnc. That way, you see the activity on the waterfall AND get the
better(?) copy from the hardware tnc.

Jerry W4UK

>xpyttl wrote:
>
>> This is also a software solution, it's just that the software is in the box.
>> The onboard processor, a 68020, is roughly the equivalent of a low-end
>> Pentium, but it's helped along with a second processor, as well as 4
>> communications controllers and a hardware CRC unit. The typical TNC has
>> perhaps a tenth this processing power.
>
>

53. Re: PSK software, the "Waterfall" and TNC's?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-10 21:57:55 UTC
From: "Bob Lewis (AA4PB)" <rlewis@staffnet.com>
Message-ID: <u3s3j5ovu8uia1@corp.supernews.com>
Source record: 7277

> There is no reason why a waterfall-capable program cannot be run in
> receive-only mode simultaneously on the same computer with the PTC
> tnc. That way, you see the activity on the waterfall AND get the
> better(?) copy from the hardware tnc.
>
But you'd still have to tune the receiver to put the desired signal on the TNCs tone frequency. I guess you could use MixW and configure a macro to tune the receiver. I seriously doubt that my PTC-II will do any better job of receiving PSK31 than MixW or most of the other PSK31 software and its certainly not as convenient to use.

I built a sound card interface that lets me select either the sound card or the PTC-II by pushing one button.

54. AM Antenna (Justice or Super Select-A-Tenna)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-11 14:19:55 UTC
From: Daniel Simpson <dzan@qwest.net>
Message-ID: <110120020819552121%dzan@qwest.net>
Source record: 7278
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment

I have a Mckay Dymek AM7 with a Terk antenna plug into it I would like better reception then what i am getting and have been looking at the Justice or Super Select-A-Tenna Does anybody have opinions on these models or other sugestions.

Thank You
Dan

55. Re: AM Antenna (Justice or Super Select-A-Tenna)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-11 14:23:30 UTC
From: N9ZEF <paulb@powerweb.net>
Message-ID: <u3ttb4a1j72q61@corp.supernews.com>
Source record: 7279
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment

you should try the kiwa loop.
it is better than the two you are inquiring about.
but it is not cheap. about $300 iirc.

73
paul

"Daniel Simpson" <dzan@qwest.net> wrote in message
news:110120020819552121%dzan@qwest.net...
> I have a Mckay Dymek AM7 with a Terk antenna plug into it I would like
> better reception then what i am getting and have been looking at the
> Justice or Super Select-A-Tenna Does anybody have opinions on these
> models or other sugestions.
>
> Thank You
> Dan

56. Re: PSK software, the "Waterfall" and TNC's?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-11 15:32:26 UTC
From: Bob Cook <captcook@compuserve.com>
Message-ID: <a1n0l7jja1@suaar1ac.prod.compuserve.com>
Source record: 7280

Ah ha.

I just discovered this myself. I tried running NcWinPtc and Digipan simultaneously. Result? It works. However how best to synchronize the transmit and receive frequencies of the three elements, the Digipan software, the NcWin Ptc software, and the PTC Leds leaves me a bit puzzled.

Bob

www.Ocean-Pro.com
Naples, Florida 34112
941-775-7435, 800-329-4884

57. PSKFest

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-12 07:42:44 UTC
From: n3dqu@aol.com
Message-ID: <20020112024244.13154.00000876@mb-cs.aol.com>
Source record: 7281

Greetings from the 070 Club! Just wanted to invite all you PSKer's out there to come play with us in our First Annual PSKFest next weekend, January 19...For more info, check out the 070 Club website at < http://hometown.aol.com/n3dqu/podxs070.htm > ...NOTE: There has been a change in the rules: contest exchange is callsign, signal report and SPC (no serial number)...Hope to cu on the air...73 de Jay N3DQU.

58. Mac Ham Software Download Sites

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-12 14:45:12 UTC
From: John Seney <wd1v@mediaone.net>
Message-ID: <wd1v-0B3645.09472712012002@news.ne.mediaone.net>
Source record: 7282
Cross-posted to: rec.radio.amateur.digital,rec.radio.amateur.digital.misc

http://www.qsl.net/wd1v/Page7.html

59. Vendo analizatore di spettro

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-12 15:30:05 UTC
From: Jereman <gerfor1@hotmail.com>
Message-ID: <1EY%7.6745$sW5.274692@news2.tin.it>
Source record: 7283

Vendo Analizatore di Spettro, HP 141T composto dai seguenti moduli :

HP141T Display Section
HP 8555A RF Section
HP 8552B IF Section
Tutto perfettamente funzionante disponibile per qualsiasi prova !!!
zona Campania.
gerfor1@hotmail.com

60. Sattellite Radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-12 19:24:34 UTC
From: chrism1111@aol.comspamless
Message-ID: <20020112142434.21306.00002543@mb-fj.aol.com>
Source record: 7284

Hi all,

ANyone have a site or info on making your own sattellite reciever for the "broadcast band" sattellite radio subscription service? QST has published how to build all kinds of stuff like that over the years and I haven't seen anything on it at my library.

tnx
73
chris
For free plans and info on solar oven's water and purifiers, that actually work, see<http://www.accessone.com/~sbcn/index.htm>
==========
Sufficiently advance technology is indistinguishable from magic..

61. KAM and TS-850S

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-12 19:28:42 UTC
From: Keith Barnes <ke5ga@bellsouth.net>
Message-ID: <C4008.4555$V55.637003@e3500-atl1.usenetserver.com>
Source record: 7285
Cross-posted to:
rec.ham-radio.packet,rec.radio.amateur,rec.radio.amateur.digital,rec.radio.amateur.digital.misc,rec.radio.amateur.dx

Hi gang,

I have had problems with rf getting into the mic section of the 850 when a KAM/KAM Plus is connected using the 13 pin plug. Kantronics had a fix by installing either a capacitor 1pf or so in the plug. Kenwood also had a fix but it required rig surgery. Anyone know the Kantronics recommended fix. I have been searching all over for it and have not had any luck and I can't seem to find my hand written documentation.

Thanks
Keith
W5KB

62. ARNewsline 1274 - Jan 11 2002

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-12 22:11:31 UTC
From: radionews@aol.com
Message-ID: <20020112171131.11298.00002053@mb-cg.aol.com>
Source record: 7286

AMATEUR RADIO NEWSLINE(tm) REPORT #1274 - January 11 2002

Amateur Radio Newsline report number 1274 with a release date of Friday, January 11th 2002 to follow in 5-4-3-2-1.

The following is a Q-S-T. No more taxicab Q-R-M plaguing a popular ham satellite and lots of FCC enforcement actions highlight this weeks Amateur Radio Newsline report number 1274 coming your way right now.

(Billboard Cart Here)

**

HAM RADIO IN SPACE: TAXI TO SATELLITE QRM ENDED

Some good news for satellite operators. Thanks to some hard work by the International Amateur Radio Union, the troublesome F-M signals to ham satellites from Mexican taxi cabs are for the most part gone. Amateur Radio Newsline's Norm Seeley, KI7UP, has the details:

--

According to the IARU Monitoring System newsletter it now appears that FM radio transmissions from the taxi drivers in the cities of San Luis and Sonora, Mexico area are no longer getting into the 2-meter uplink of the UOSAT 14 ham satellite.

The issue was raised by many involved in ham radio satellite communications including Ray Soifer, W2RS, of AMSAT North America. The newsletter says that it was Soifers plea to the VHF and Satellite Committee at the 2001 IARU Region 2 Conference in Guatemala City generated extra interest and concern about this and similar problems. This lead to some very productive discussions between the Mexican telecommunications administration and the Federación Mexicana de Radio Experimentadores which is Mexicos national Amateur Radio society.

Credit also is given to Alejandro Pereida, XE2BSS, for his thorough technical analysis of the problem and for his persistence in pursuing the matter from beginning to end. The end being the removal of the interfereing signals from the UOSAT 14 two meter uplink passband.

For the Amateur Radio Newsline, I'm Norm Seeley, KI7UP, not far from the U.S. - Mexico border in Scottsdale Arizona.

--

The newsletter reports that after a lot of correspondence and negotiations on this issue took place over the past eighteen months. It also credits Lorne Libin, XE1V, as being an important mediator during this period. (AMSAT)

**

HAM RADIO AND THE LAW: NEW HAMPSHIRE HAM WINS ANTENNA CASE

Meantime, a lot closer to the ground, the ARRL Letter reports that a New Hampshire ham appears to have won a battle to erect an antenna support structure on his property. But says the League, it remains to be seen, however, whether Jerry Muller, K0TV, of Hudson will be allowed to erect the extensive system of three towers that he'd originally planned.

Unlike many amateur antenna battles, this case did not pit Muller against the town. In December 1998, Muller applied for a permit to erect three 100-foot antenna structures on his property, and the town of Hudson granted the permit. Three of Muller's neighbors appealed the grant of the permit, but the Hudson Zoning Board affirmed the grant. The neighbors then sued the town and won, resulting in the order for Muller to dismantle the towers.

Now, in a 4-0 vote, with one justice abstaining, the Supreme Court of New Hampshire has reversed a lower court ruling but it is not a 100% victory. Writing for the court, New Hampshire Chief Justice David A. Brock concluded that the lower court's order requiring Muller to dismantle his towers violated the limited federal preemption known as PRB-1 as well as New Hampshire's statutory codification of PRB-1. However Brock also agreed with the lower court that Muller's three-tower installation did not qualify as a "customary, incidental and subordinate" accessory use permitted by Hudson's ordinance.

While another amateur in Hudson has a tower at the same height, there are no instances of three such towers on the same property. Nevertheless, Brock said that Muller's installation may be permitted within the framework of PRB-1, if Muller can demonstrate that his three towers are necessary to "reasonably accommodate" his communications needs. (ARRL)

**

THE WAR: 73’S GREEN SAYS US COMMUNICATIONS ILL PREPARED FOR TERROR ATTACKS

73 Magazine El Supremo Wayne Green, W2NSD -- thats his title not ours. El Supremo Green says that the United States is ill prepared to handle communications in the event of another terror attack. Writing in his Never Say Die editorial column, Green says that no matter how the terrorist network hits us, the one thing we are going to need is communications. And this says Green, this is another item that the government has been lax in providing.

Green notes that anytime there is an emergency, the first things to disappear are electric power and telephone service. This includes cellular as well as wired phones. He notes that police, fire, rescue and other services have no way to inter-communicate until ham radio operators arrive on the scene. He says that if ham radio is going to be called on to provide services anywhere and at any time, then we need at least 600,000 licensed hams trained and ready to help, and not just the 100,000 or so that are now really active.

Green’s comments begin on page four of the January issue of 73 Magazine. (73 Magazine)

**

THE WAR: PIRATE HAM OPERATION FROM AFGHANISTAN

You may find this hard to believe, but even with a war going on some joker is pirating the YA5T call-sign and pretending to be on the air from war-torn Afghanistan.

According to Peter Casier, ON6TT, and the Radio Society of Great Britain all the operators who had previously put YA5T on the air have left Afghanistan. Casier tells the RSGB that he expects to travel back to Islamabad on the 20th of January and then to Kabul within the following few days. Until then, any station you work claiming to be on the air from Afghanistan is most probably somewhere else in the world.

We will have more D-X news later on in this weeks newscast. (RSGB)

**

BREAK 1

This is ham radio news coming to you from the United States of America. We are the Amateur Radio Newsline, heard on bulletin stations around the world, including the Condor Connection repeater intertie thanks to KC6SFP and heard throughout the South-Western United States.

(5 Sec Pause Here)

**
FCC: THE VANITY CALL SIGN PROGRAM MAY RESUME SHORTLY

Some god news for hams waiting for vanity call signs. According to an ARRL bulletin, the vanity program which was put on hold since October 14th as the result of the post 9-1-1 Anthrax mail scare may could be in operation shortly.

The vanity gridlock got started after mail received between October 15th and November 1st was diverted from the FCC's Gettysburg, Pennsylvania, office for decontamination in the Washington, DC, area. That mail, believed to contain more than 100 vanity applications filed on paper, has not been returned to Gettysburg.

Current FCC policy says that paper and electronic vanity applications get equal processing priority, so the Commission halted vanity processing altogether until it could resolve the mail snafu.

FCC staffers in Gettysburg have been attempting to work around the roadblock. Using vanity fee payment data from the FCC's fiscal agent, Mellon Bank in Pittsburgh, the FCC's Wireless Telecommunications Bureau in Gettysburg has been contacting applicants directly to have them resubmit their applications. The FCC now is asking applicants whose paper vanity filings may have arrived at Mellon Bank between October 15th and November 1st and who have not been contacted to get in touch with the FCC to find out if they need to forward a copy or facsimile of their original paperwork. The request affects only vanity applicants who filed on paper and not electronic filers.

More information on whats happening in the ham radio vanity call sign program can be found at the ARRL Website. Its in cyberspace at www.arrl.org under W1AW

Bulletins for the year 2002.

And late word in. The FCC has begun processing some vanity call signs as this newscast is prepared. (ARRL)

**

ENFORCEMENT: EX-KV4FZ'S NEW LICENSE APPLICATION DESIGNATED FOR HEARING

I'm Bill Pasternak, WA6ITF. The FCC has designated a new ham radio license application filed by Herbert L. Schoenbohm, the ex-KV4FZ, for a public hearing. According to the order released on January 9th, the hearing will determine whether Schoenbohm possesses the requisite character qualifications to be a Commission licensee. Schoenbohm lost a series of appeals during the 1990's and was ordered off the air last year. He was given twenty days to request that the hearing on his new application be held. If he fails to do so, his application will be dismissed. More on this story, next week. (FCC)

**

ENFORCEMENT: YOU CANT SEND FELONY COMPLAINT AFFIDAVITS TO OTHER HAMS

The FCC wants to hear immediately from any ham who receives notification that a felony complaint has been lodged against him or her by Glen Baxter, K1MAN. This after the government tells the Belgrade Lake Maine operator to stop sending other radio operators so-called Standard Felony Complaint Affidavits. Speaking on his Rain Enforcement Log, FCC Special Counsel for Amateur Radio Enforcement Riley Hollingsworth says that this is not the first time Baxter has been warned:

--
Hollingsworth: "We reiterated a warning issued by the United States Attorney in Maine to a Belgrade Lakes operator who had sent so-called Felony Complaint Affidavits to licensees who had refused to clear the frequency for his broadcasts, or bulletin shows or whatever they are. Complaints about the nature of the transmissions are also under review as well, and we will be looking at those. That went to Glenn Baxter, K1MAN.

The United States Attorney in that case has warned Baxter that if he continues sending the so-called Felony Complaint Affidavits he may be subject to federal criminal charges for misrepresentation and for using the U.S. Mail to make threats."
--

If you receive one of these Standard Felony Complaint Affidavits, or notification that one has been filed against you please contact Riley Hollingsworth as soon as you can. He can be reached by e-mail to fccham@fcc.gov. (FCC)

**

ENFORCEMENT: FCC - ALLEGEDLY UNCOORDINATED IN CALIFORNIA

Still with enforcement news, the FCC has notified Dean K. Perrins, N6HWI, of Freemont California that his alleged uncoordinated repeater on 443.725 MHz is causing interference to the coordinated K6TWI system. This is a repeater which operates on the same frequency.

The FCC says that it has information that Perrins has been notified several times
regarding the interference problem but that he has not taken any steps to resolve the problem. Perrins was given twenty days from the date of notification to respond to the FCC. (FCC)

**

ENFORCEMENT: FCC - ALLEGEDLY UNCOORDINATED IN FLORIDA

In still another repeater interference case Joseph Bushel Jr., W2DWR, of Live Oak Florida has been directed by the FCC to respond to a complaint that he is operating a repeater on 146.94 MHz after being denied coordination by the Florida Repeater Council. The FCC says that Bushel's repeater is causing interference to the coordinated K4EHM system and the government wants him to explain his actions. The FCC also wants W2DWR to respond to an allegation that he was observed transmitting a digital voice recording an that frequency without ever identifying the transmission. (FCC)

**

ENFORCEMENT: FCC- DON'T TALK ON THAT REPEATER

Meanwhile, another Florida ham identified as Thomas Banks, KB4AN of Port Saint Lucie Florida has been notified by the FCC that he is to refrain from using an area repeater. Specifically, the FCC has told Banks that he is not to be heard over the Saint Lucie Repeater Association's AF4CN machine as requested by the system's trustee. (FCC)

**

AWARDS: ARRL EDUCATOR AWARDS NOMINATIONS SOON CLOSE

According to the American Radio Relay League, nominations close January 31st for League awards that recognize excellence in teaching. The ARRL Instructor of the Year, Educator of the Year and Professional Instructor of the Year awards will be presented, as well as the ARRL Excellence in Recruiting Award. All winners receive engraved plaques. Complete information and nomination forms are available at www.arrl.org. (ARRL)

**

AWARDS: DARA NOMINATIONS TO CLOSE

The nominating period for the 2002 Dayton Hamvention Awards is quickly coming to an end. The deadline for nominations is also January 31st.

There are three awards presented each year. They are the Radio Amateur of the Year, Special Achievement, and Technical Excellence. All amateurs Novice through Extra are eligible.

Awards are decided by the Awards Committee, based partially upon the information received. Magazine articles, newsletters, newspaper clippings, videos and the like are appreciated but cannot be returned.

Nominations can be sent to Post Office Box 964, Dayton Ohio 45401. They can also be filed electronically by completing the e-form on the web at www.hamvention.org. (DARA)

**

BREAK 2

From the United States of America, we are the Amateur Radio Newsline, with links to the world from our only official website - www.arnewsline.org.

(5 sec pause here)

**

AWARDS: NEWSLINE NAMES FOUR AS SUPER SUPPORTERS

The Amateur Radio Newsline has named four hams who will receive its first Super Supporter Award certificates. Don Wilbanks, KC5MFA, has the names:

--

In alphabetic order, the first certificate goes to Roy Blanchard, N5YHS, right here in New Orleans. It was Blanchard whose assistance made it possible for Amateur Radio Newsline to become a federally tax exempt coropration.

The second is earmarked to Dale Cary, WD0AKO for his decade plus work in putting the Amateur Radio Newsline on the Internet and creating the Amateur Radio Newsline website.

Sandy Donahue, W4RU, receives a Super Supporter certificate for his many years of coordinating the arrival of the Newsline Young Ham of the Year Award in Huntsville Alabama, and the recipients registration at Spacecamp. And for the last several years he has also helped to defray the cost of the mini-banquet held to honor the winners.

Last but by no means least, Todd Hitzeroth, N6ZXJ, was recognized for his years of volunteering with Newsline at its Dayton Hamvention booth and engineering the Ham Radio Town Meetings. What makes his contribution unique is that Hitzeroth lives in California and pays his own way to and from Dayton each year.

With congratulations to all four recipients, I’m Don Wilbanks, KC5MFA.

--

Approval for the creation of the Amateur Radio Newsline Super Supporter certificates and naming of the first four recipients took place at the organizations Board of Directors Meeting held in Glendale California on December 30th 2001. A synopsis of the minutes of that meeting will be posted to our website within the next few weeks. (ARNewsline(tm))

**

INTERNATIONAL-ISRAEL: “FIRST” BRINGS IN NEW HAMS

A new group of radio amateurs has emerged in Israel from a rather unexpected place. According to Hagal International, the new Israeli hams are from an all volunteer Search and Rescue group called First.

First members are on call to provide wilderness rescues in areas such as the Israeli desert and canyons. For communications, First members have long carried two-way hand helds operating in point to point simplex mode. The limitations of simplex in rugged terrain means that there are times when they cannot keep in touch.

Recognizing a need for improved communications, First contacted to Israel Amateur Radio Club to ask if the nationwide repeater system could be made available for search and rescue use. And according to veteran ham radio instructor Moshe Inger, 4Z4PF, when First members learned that they would first have to pass an Israeli ham radio exam, they did not flinch one bit. They studied, passed the test and there are now dozen new hams from Eilat in the South to Golan in the North. (Hagal International)

**

INTERNATIONAL-UK: G3YJO BECOMES SIR MARTIN SWEETING

Meantime, over in the United Kingdom word that Martin Sweeting, G3YJO, on being knighted. Sweeting is the Chief Executive of Surrey Satellite Technology and Director of the Surrey Space Centre. He will join Sir Jimmy Young and Sir Ben Kingsley to collect his Knights Bachelor medal from the Royal Palace. Professor Sir Martin Sweeting, F.R.S., was knighted for his services to the U-K in microsatellite engineering. (RSGB)

**

HAM RADIO IN SPACE: QUIET HOURS FOR AO-40

AMSAT reports that AO-40 satellite ground controllers have begun adjusting the spacecraft's attitude as it enters a period of adverse sun angles. The satellite is currently in a long period during which Earth eclipses the sun near perigee. These periods will continue well into next June. As a result, AO-40's operating schedule has been modified to reflect the decreasing attitude longitude. (AMSAT)

**

HAPPY BIRTHDAY: JOHANNES KEPLER AT AGE 470

VK2KGM notes the 470th recorded birthday of Johannes Kepler last December. Kepler was the first astronomer to determine a mathematical relationship existed that could be used to predict the motion of planets. This became the basis for the Keplerian data we use today for satellite orbits. (AMSAT)

**

DX

In DX, word that F2JD is active from the Philippines as DU1 slash G0SHN on 20, 15 and 10 meters SSB and CW. Listen for him from now until June of this year. QSL as directed on the air. (RSGB)

Three Finnish operators will be active from Tonga through the 15th of January, with an emphasis on 160 to 30 meters. They will work CW, SSB and RTTY with three stations using verticals and dipoles. (Modern DX)

**

THAT FINAL ITEM: FANTASTIC VOYAGE REDUX

And finally this week, the world of medical communications research has finally caught up with the lights of Hollywood. This, as the government approves a tiny radio camera-in-a-capsule that patients can swallow. It is a camera that will transmit pictures to give doctors a close-up view of what is inside of you. Amateur Radio Newsline’s Mert Garlick, N6AWE, has more:

--

The new transmitting video pill is made by Given Imaging Ltd. in Israel. It is called the M2A Swallowable Imaging Capsule. It is also exceeding tiny. In fact it is so small that it is easily swallowed by the patient.

Its inventors say that it then painlessly winds its way through the digestive tract and uses wireless technology to transmit full color pictures to a belt pack receiver worn by the patient. That unit also decodes the signal and records the information as the patient goes about his or her daily routine.

A U.S. spokesman for Given Imaging says that doctors who wish to use the video imaging pill will have to buy a specialized $20,000 computer workstation. Each camera capsule costs about $450.

For the Amateur Radio Newsline, I’m Mert Garlick, N6AWE, in Los Angeles. Roy.

--

The entire system is reminiscent of the science fiction movie "Fantastic Voyage." In that film a submarine and its crew of medical specialists are miniaturized and injected into the bloodstream of a critically injured man to perform an operation to save his life while receiving instructions by two way radio. (Science Today)

**

NEWSCAST CLOSE

With thanks to Alan Labs, Amateur News Weekly, AMSAT, the ARRL, the CGC Communicator, CQ Magazine, the FCC, the Ohio Penn DX Bulletin, Radio Netherlands, Rain, the RSGB and Australia's Q-News, that's all from the Amateur Radio Newsline(tm). Our e-mail address is newsline @arnewsline.org. More information is available at Amateur Radio Newsline's(tm) only official website located at www.arnewsline.org. You can also write to us or support us at Amateur Radio Newsline(tm), P.O. Box 660937, Arcadia, California 91066.

For now, with Bill Pasternak, WA6ITF, at the editors desk, I'm Roy Neal, K6DUE, saying 73, and we thank you for listening. Amateur Radio Newsline(tm) is Copyright 2002. All rights reserved.

63. Manual

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-13 13:58:11 UTC
From: Gregory Gilmore <gilmore@nbnet.nb.ca>
Message-ID: <Tng08.402$aV1.55335@news-nb00s0.nbnet.nb.ca>
Source record: 7287

Is there anywhere on line I can down load a operation manual for a
ProComm Handi Packet? Thanks.

64. Re: AM Antenna (Justice or Super Select-A-Tenna)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-13 15:11:37 UTC
From: Steve Fleckenstein <spfleck@citlinkdot.net>
Message-ID: <u438tf1b4g6c2e@corp.supernews.com>
Source record: 7288
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.broadcasti

If select-a-tenna is just a loop with a tuner why couldn't I just roll my
own from the junk box under the work bench ?

--

Fruitcakes, if well-wrapped and stored in airtight tins, are reputed to
remain enjoyable for as long as 25 years..
"Daniel Simpson" <dzan@qwest.net> wrote in message
news:u40o87k86h877@corp.supernews.com...
| I have a Mckay Dymek AM7 with a Terk antenna plug into it I would like
| better reception then what i am getting and have been looking at the
| Justice or Super Select-A-Tenna Does anybody have opinions on these
| models or other sugestions.
|
| Thank You
| Dan
|
|

65. Re: AM Antenna (Justice or Super Select-A-Tenna)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-13 18:15:29 UTC
From: Bob <balbert@cnmnetwork.com>
Message-ID: <59k08.469189$C8.34091936@bin4.nnrp.aus1.giganews.com>
Source record: 7289
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.broadcasti

You certainly can. Fancy (and expensive) antennas aren't very good and don't have any secrets in them, regardless of advertising hype.

A good antenna has to be large and installed in a clear, high place. No shortcuts work.

66. Program...

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-14 12:00:57 UTC
From: Jochen Cichon <joschi@vizzavi.net>
Message-ID: <a1uhbt$1ij$1@newsread1.arcor-online.net>
Source record: 7290

Hi,

i'm looking for (best) ONE program to do most of the amateur modes.
PSK, HELL, CW, RTTY, AMTOR, PACTOR... (any other)
Mostly i would like to have TEXT transfer, but sstv/fax etc... is also good
ato have.

The best thing is to have one programm running under dos. OK windows is ok
also.

Hm the hardware. Best it should use the soundcard. But it is great if there
are other
hw to use (hamcom..., ptc...)

Tnx. Jochen (DH1JC)

67. Manual for MFJ - 1270B

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-14 16:39:18 UTC
From: "P.K.Chin" <pkchin@pd.jaring.my>
Message-ID: <a1v1bd$k85$1@news5.jaring.my>
Source record: 7291

Hi,

Can anybody help me please? I have this MFJ TNC2 Packet Radio Model MFJ-1270B. I am going to use it for BBS. I am looking for the Manual and the software for this tnc. Please contact me via my e-mail pkchin@pd.jaring.my

Thank you.

P.K.Chin,
9M2CW

68. Re: Manual for MFJ - 1270B

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-14 17:46:50 UTC
From: OldBiker <vito@crosslink.net>
Message-ID: <3C43198A.33F3F2A6@crosslink.net>
Source record: 7292

"P.K.Chin" wrote:
>
> Hi,
>
> Can anybody help me please? I have this MFJ TNC2 Packet Radio Model
> MFJ-1270B. I am going to use it for BBS. I am looking for the Manual and
> the software for this tnc. Please contact me via my e-mail
> pkchin@pd.jaring.my
>
> Thank you.
>
> P.K.Chin,
> 9M2CW

I downloaded it from MFJ's website. Took a while on my old slow PC and
one needs Adobe Acrobat but it works fine. It's big so I put it on a
floppy disk and printed only the parts I needed.
73 KA3DWW

69. FS/FT : HAL P-38 Pactor/Clover

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-15 03:22:54 UTC
From: HAL <mattanme@hotmail.com>
Message-ID: <igN08.30511$e4.7015387@news0.telusplanet.net>
Source record: 7293

Have for sale or trade HAL P-38 Interface with software.
Does Clover, Pactor, RTTY etc. Looking for ham related items to trade or offers????

70. FS/FT: 432 Mhz Transverter

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-15 03:23:15 UTC
From: HAL <mattanme@hotmail.com>
Message-ID: <DgN08.30512$e4.7016688@news0.telusplanet.net>
Source record: 7294

Hi, I have for sale or trade, a clean Microwave Modules MMT 432-28 Transverter, with cables. I am looking for HF tuners, meters,morse keys, anything ham related. Offers??

71. Image Kissprom ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-15 11:53:43 UTC
From: Claes H&#65533;gberg <claes@hogberg.org>
Message-ID: <de9500931877e4fe648299063193385f.60470@mygate.mailgate.org>
Source record: 7295

I wonder where to find images of kiss ?
We will use a few Tiny-2 in a node running Linux, and need to get the tncs in kissmode. Anyone hve an idea ? or even the images ?

73 de Claes -sm6tkt

--
Posted via Mailgate.ORG Server - http://www.Mailgate.ORG

72. Ham Radio University 2002 for Long Island

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-15 13:23:21 UTC
From: GSBARC <info@gsbarc.org>
Message-ID: <d3W08.29014$Zh1.6337452@news02.optonline.net>
Source record: 7296
Cross-posted to: rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.homebrew,rec.radio.amateur.misc

Ham Radio University 2002/ARRL New York City-Long Island Section Convention

Ham Radio University 2002 for Long Island

North Babylon, New York - On Sunday, January 20, 2002 at 8AM, the doors of the Babylon Town Hall Annex on Phelps Lane will open for the third annual Ham Radio University. Ham Radio University 2002 is a day of education about Amateur Radio.

This year the forums have been expanded and new forums have been added. There will be twenty, one-hour presentations with special forums geared to the non-ham as well as the experienced ham radio operator. The focus will be "hands on" with many demonstrations.

Come join us at the Babylon Town Hall Annex, Phelps Lane, North Babylon, Long Island, and learn about everything from satellite communications, low power operating using radios as small as a tuna tin, how to put up an emergency antenna, the latest information on advanced digital communications, finding and fixing radio frequency interference problems to purchasing your first station equipment or handi-talkie and a special "Ask the Experts" forum. There will also be a Special Event Station W2V set up and operational on HF. There will live SSTV pictures uploaded to the NLI WWW during the event.

HRU 2002 is sponsored by the Great South Bay ARC and is a cooperative effort between over twenty clubs and organizations in the New York City- Long Island area. It is also the American Radio Relay League, New York City-Long Island Section Convention. Besides the forums, there will be tables set up with information about the different groups, ham radio classes, exam session schedules, public service and other activities.

Join us for a day of fun and education for the whole family!
Admission is open to all - donation is $2 per person.
(complimentary refreshments available)

For more information contact:
Phil Lewis N2MUN, Chairman, n2mun@arrl.net or call 631-226-0698
George Tranos N2GA, ARRL NLI Section Manager, n2ga@arrl.org or call 631-286-7562

Additional information on the WWW at http://hudson.arrl.org/nli

73. BPQ or equivalent for Linux???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-15 19:06:35 UTC
From: Nigel Baskerville <nigel.baskerville@btinternet.com>
Message-ID: <a21ujq$523$1@paris.btinternet.com>
Source record: 7297

Hi all thanks for reading this msg.

Is there an equivalent of BPQ node software for Linux that you would run
with something like FBB or NNA. Maybe even BPQ work with Linux?

Thanks in advance

Nigel

74. Re: BPQ or equivalent for Linux???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-15 20:32:46 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna494fe.f84.nomail@linux.pe1chl.ampr.org>
Source record: 7298

Nigel Baskerville <nigel.baskerville@btinternet.com> wrote:
>Hi all thanks for reading this msg.

>Is there an equivalent of BPQ node software for Linux that you would run
>with something like FBB or NNA. Maybe even BPQ work with Linux?

FBB runs on Linux without BPQ. BPQ's "AX.25 over Ethernet" is supported
on Linux should you want to interconnect DOS and Linux systems.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

75. Re: BPQ or equivalent for Linux???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-15 23:17:20 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <4M218.272912$WW.13716893@bgtnsc05-news.ops.worldnet.att.net>
Source record: 7299

Check out TNOS, I think it has NET/ROM support.

There is at least one other Linux system not far from
here that has node software running, but it seems to
have lost it's radio port about 8 months ago, so I can
no longer verify which software it runs.

--

... Hank

http://horedson.home.att.net

"Nigel Baskerville" <nigel.baskerville@btinternet.com> wrote in message
news:a21ujq$523$1@paris.btinternet.com...
> Hi all thanks for reading this msg.
>
> Is there an equivalent of BPQ node software for Linux that you would run
> with something like FBB or NNA. Maybe even BPQ work with Linux?
>
> Thanks in advance
>
> Nigel
>
>

76. Re: PSK software, the "Waterfall" and TNC's?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-15 23:19:26 UTC
From: edvanc@mediaone.net
Message-ID: <2O218.23176$yC.2729410@typhoon.mn.mediaone.net>
Source record: 7151

In regard to Question 2, I using an upgraded PK-232MBX with the DSP and PSK boards. Runs nicely with PKTerm99. PKTerm99 includes a waterall display and switch between the soundcard and the TNC. In case you don't want to use PKTerm99, Timewave provides a neat little utility named ModemSwitch with the PSK board that allows you to run any program you want with the soundcard or TNC.

Ed, W0VC

In article <a1cqog$5cn$1@suaar1ac.prod.compuserve.com>, captcook@compuserve.com says...
>
>Some questions re PSK31...
>
>I am just getting started with PSK. It's very entertaining, and at least for
>me, a new way to combine and explore ham radio and computer capabilities.
>
>I have tried a number of PSK programs, Digipan, Winpsk, Wpwin and NcWinPtc.
>Most recently I looked at W1SQL's program. It is pretty slick displaying up
>to 20 QSO's at a time instead of one or two.
>
>I certainly like and see the advantage of the "Waterfall" frequency display.
>I see that most if not all but one so far, NcWinPtc, require a sound card
>and an audio interface. If possible I'd like to avoid having to buy or build
>an interface. I already have a great TNC. It's an SCS PTC-IIe. I use it
>primarily for Pactor II email. as a frequent maritime mobile.
>
>My computer(s) are two Toshiba Tecra laptops, one older a Tecra 500, and one
>newer, a Tecra 8100. Both appear fast enough to handle the various PSK
>software apps I've tried so far. SSB is an Icom 728.
>
>Question 1: Since I'm using laptops with built in sound circuitry, is the
>sound circuitry in the two laptops up to the task of sending and receiving
>PSK if I bought an audio interface?
>
>Question 2: Does anyone know of a TNC compatible PSK program with a
>"Waterfall" frequency display?
>
>Question 3. I'm wondering if there is a consensus around the most desireable
>or undesireable interfaces or the most desireable or undesireable qualities
>in an interface, ie what to look for or avoid?
>
>Thanks tons for your help...
>
>Bob

>K9KKY
>
>www.Ocean-Pro.com
>Naples, Florida 34112
>941-775-7435, 800-329-4884
>
>

77. Re: AM Antenna (Justice or Super Select-A-Tenna)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-15 23:19:32 UTC
From: ipassets <machine.age@verizon.net>
Message-ID: <3C44B904.194FF33F@verizon.net>
Source record: 7300
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment

I have used both the Kiwa and the Terk extensively. The Kiwa is not worth the money. The terk is as good as it gets, unless you roll your own---but make it big.

jme

N9ZEF wrote:

> you should try the kiwa loop.
> it is better than the two you are inquiring about.
> but it is not cheap. about $300 iirc.
>
> 73
> paul
>
> "Daniel Simpson" <dzan@qwest.net> wrote in message
> news:110120020819552121%dzan@qwest.net...
> > I have a Mckay Dymek AM7 with a Terk antenna plug into it I would like
> > better reception then what i am getting and have been looking at the
> > Justice or Super Select-A-Tenna Does anybody have opinions on these
> > models or other sugestions.
> >
> > Thank You
> > Dan

78. Re: PSK software, the "Waterfall" and TNC's?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-15 23:42:41 UTC
From: "Bob Lewis (AA4PB)" <rlewis@staffnet.com>
Message-ID: <u49fjoitacgq37@corp.supernews.com>
Source record: 7152

> PKTerm99 includes a waterall display and
> switch between the soundcard and the TNC.

In PSK31 mode the sound card and computer are doing the work. The PK232 is simply passing audio tones between the radio and the sound card. With the PTC-II, it is the PTC-II that is doing the PSK31 encoding/decoding and simply sending ASCII text between the computer and the PTC-II (which is why the software doesn't have a waterfall). You could easily build a switch to swap audio connections between the PTC-II and the sound card and use the sound card for PSK31 and the PTC-II for everything else - just like the PK-232.

79. Re: BPQ or equivalent for Linux???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-16 00:35:40 UTC
From: Bishop Bradley <bb@nile.org>
Message-ID: <wV318.19406$lg2.5182401@news1.elcjn1.sdca.home.com>
Source record: 7153

"Hank Oredson" wrote
>
> Check out TNOS, I think it has NET/ROM support.

Wow, I used that when my daughter was born. She's
23 now and just got her MBA, now she's off to Med
School in PA.

Actually JNOS was better, because the TNOS author
went away after his car accident. "Better" because
it was under active development and debugging.

80. Re: BPQ or equivalent for Linux???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-16 00:45:29 UTC
From: gareth@lightfox.demon.co.uk
Message-ID: <20020116.004529.82@lightfox.demon.co.uk>
Source record: 7154

In article <a21ujq$523$1@paris.btinternet.com>,
Nigel wrote:

> Is there an equivalent of BPQ node software for Linux ...

The "Aladdin's Cave" of Linux amateur radio software is at:

http://radio.linux.org.au

The initial page is the newest stuff - dig deeper through
the menus for 'packet' software.

Check out especially: 'node', 'awznode' and 'xnet'.

With Linux, you don't need to run a front end node for BBS
access on a multiport system, but the locals expect it !

73,

Gareth.

--
http://www.rat.org.uk/

81. 720A Help

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-16 03:36:39 UTC
From: Tom and Joanna <n7byd@cybernet1.com>
Message-ID: <a22sga027si@enews3.newsguy.com>
Source record: 7155
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.misc

I recently aguired a IC720A, and I do not have a manual for it. Des anybody have a used users/service manual they could part with? Or what I more urgently need is the microphone and accessary jack wiring details so I can wire in a Mic. and PSK-31.
Thanks
Tom
N7BYD

82. Re: PSK software, the "Waterfall" and TNC's?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-16 19:01:06 UTC
From: Karl Beckman <Karl.Beckman@Motorola.com>
Message-ID: <a24ile$ko5$1@newshost.mot.com>
Source record: 7156

Yes, but unfortunately the ModemSwitch software links to the standard IRQs, not to the actual device name. My COM1 and COM2 both happen to be on IRQ11, courtesy of my multi-function board. Although I tell ModemSwitch to talk on COM1 it insists that it wants COM4/IRQ2 which is a timer on the system board. I have no such problem with the PC PakRatt for Windows software, nor with old PKTerm98. I'm now looking at putting a manual switch on the front panel to drive the switchover relay.

--
Karl Beckman, P.E.
GMDS-Northern Div (216) 265-2092
Karl.Beckman@MOTOROLA.com

"Quality is never an accident, it is always the result of high intention, sincere effort, intelligent direction and skillful execution; it represents the wise choice of many alternatives"

"W0VC" <edvanc@mediaone.net> wrote in message news:2O218.23176$yC.2729410@typhoon.mn.mediaone.net...
> In regard to Question 2, I using an upgraded PK-232MBX with the DSP and PSK
> boards. Runs nicely with PKTerm99. PKTerm99 includes a waterall display and
> switch between the soundcard and the TNC. In case you don't want to use
> PKTerm99, Timewave provides a neat little utility named ModemSwitch with the
> PSK board that allows you to run any program you want with the soundcard or
> TNC.
>
> Ed, W0VC
>
> In article <a1cqog$5cn$1@suaar1ac.prod.compuserve.com>, captcook@compuserve.com
> says...
> >
> >Some questions re PSK31...
> >
> >I am just getting started with PSK. It's very entertaining, and at least for
> >me, a new way to combine and explore ham radio and computer capabilities.
> >
> >I have tried a number of PSK programs, Digipan, Winpsk, Wpwin and NcWinPtc.

> >Most recently I looked at W1SQL's program. It is pretty slick displaying
up
> >to 20 QSO's at a time instead of one or two.
> >
> >I certainly like and see the advantage of the "Waterfall" frequency
display.
> >I see that most if not all but one so far, NcWinPtc, require a sound card
> >and an audio interface. If possible I'd like to avoid having to buy or
build
> >an interface. I already have a great TNC. It's an SCS PTC-IIe. I use it
> >primarily for Pactor II email. as a frequent maritime mobile.
> >
> >My computer(s) are two Toshiba Tecra laptops, one older a Tecra 500, and
one
> >newer, a Tecra 8100. Both appear fast enough to handle the various PSK
> >software apps I've tried so far. SSB is an Icom 728.
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> >Question 1: Since I'm using laptops with built in sound circuitry, is the
> >sound circuitry in the two laptops up to the task of sending and
receiving
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> >Question 2: Does anyone know of a TNC compatible PSK program with a
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desireable
> >or undesireable interfaces or the most desireable or undesireable
qualities
> >in an interface, ie what to look for or avoid?
> >
> >Thanks tons for your help...
> >
> >Bob
> >K9KKY
> >
> >www.Ocean-Pro.com
> >Naples, Florida 34112
> >941-775-7435, 800-329-4884
> >
> >
>

83. PK-88

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-16 19:55:57 UTC
From: Russ <redman27@frontiernet.net>
Message-ID: <u4bmorkqale6b2@corp.supernews.com>
Source record: 7157

i recently purchased 2 pk-88 tncs , neither one had pwr cubes or manuals , i am able to get both to pwr up with a 12 v source , one says * for auto something , the other is fine , what i really need is a manual or a text copy of one , if anyone can help , its muchly appreciated!

Russ N3TIH

84. Re: PK-88

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-16 21:28:16 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0201162127300.4546-100000@exp.bde-arc.ampr.org>
Source record: 7158

On Wed, 16 Jan 2002, Russ wrote:
>i recently purchased 2 pk-88 tncs , neither one had pwr cubes or
>manuals , i am able to get both to pwr up with a 12 v source , one
>says * for auto something , the other is fine , what i really need
>is a manual or a text copy of one , if anyone can help , its muchly
>appreciated!

For the one saying "* for auto....", press "*" a few times. What it is trying to do is autodetect the serial port baud rate. Once that is done, you'll be in command mode, which is where the other PK-88 appears to already be.

85. Re: PSK software, the "Waterfall" and TNC's?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-17 00:26:50 UTC
From: Rick Ruhl <ricker@cssincorp.com>
Message-ID: <oPo18.11111$WM6.2053419@e420r-atl1.usenetserver.com>
Source record: 7159

Karl,

It's more than just a hardware switch.. it needs software commands to change it in and out.

You do know the upgraded Pkterm for Windows will switch the sound card in and out without modemswitch and let you do PSK-31 from directly inside Pkterm.

Also, if the creators of other modes will provide us with either DLL or C++ class libs with engines for their protocols, we'll add them in. This would mean MT16, MFSK, SSTV, RTTY or any other mode that the freeware programs provide. These modes would be fully available in demo mode, without the capability of switching in and out the sound board, and full switching after purchasing the program.

The upgrade to 1.5.4 if you purchase Pkterm before May 15, 2001 is $29.95, upgrade from PakRatt is $49.95 and full version is $79.95. And you get full support of both CSS and Timewave for the products.

Rick - W4PC
http://www.cssincorp.com/pkterm

"Karl Beckman" <Karl.Beckman@Motorola.com> wrote in message
news:a24ile$ko5$1@newshost.mot.com...
> Yes, but unfortunately the ModemSwitch software links to the standard
IRQs,
> not to the actual device name. My COM1 and COM2 both happen to be on
IRQ11,
> courtesy of my multi-function board. Although I tell ModemSwitch to talk
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> COM1 it insists that it wants COM4/IRQ2 which is a timer on the system
> board. I have no such problem with the PC PakRatt for Windows software,
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> with old PKTerm98. I'm now looking at putting a manual switch on the
front
> panel to drive the switchover relay.
>
> --
> Karl Beckman, P.E.
> GMDS-Northern Div (216) 265-2092
> Karl.Beckman@MOTOROLA.com
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> intention, sincere effort, intelligent direction and skillful
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> > PKTerm99, Timewave provides a neat little utility named ModemSwitch with
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> > PSK board that allows you to run any program you want with the soundcard
> or
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> > In article <a1cqog$5cn$1@suaar1ac.prod.compuserve.com>,
> captcook@compuserve.com
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> > >Most recently I looked at W1SQL's program. It is pretty slick
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> > >
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>

86. Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-17 00:32:27 UTC
From: Robin Gilks <g8ecj@gb7ipd.ampr.org>
Message-ID: <ks552a.int.ln@news.freeserve.net>
Source record: 7160
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

This is a request for comment on technical proposals for a new device to interface a PC to a radio for medium (later high speed) digital communication.

Items to consider are:
1. Compatability with existing systems
2. Operating System independant solution
3. Multiple interfaces (Intel propose to "phase out" serial ports in the ï¿½ ï¿½next 12 months)
4. Expandability beyond a single 'port'
5. Low cost
6. Capable of home construction (avoidance of very large surface mount ï¿½ ï¿½devices)
7. Open design

Terms:
PC - Personal Computer - includes IBM compatible PCs, Macs, Suns or any other desktop computer normally considered to have sufficient processing capability to provide more than just a dumb terminal interface.

1. Compatability with existing systems

It is plain that the packet system within the UK is becoming fragmented so it is now sometimes impossible to directly connect using the AX25 protocol to a BBS requiring sometimes several hops or digipeats via nodes or other users.

To this end, it is envisaged that connected mode AX25 will not be supported in the interface device. There are advantages in the use of AX25 in disconnected mode as the point-to-point link layer protocol to remain compatability with existing systems. The use of connected mode is for further
study.

2. Native support for a wide range of Operating Systems

One of the current difficulties with closed source Operating Systems is the expense of creating the necessary device drivers and software interfaces for viable operation. Support for the few projects that are available for these closed systems is usually dependant on a single author which often leads to even very good and widely used systems being dropped due to pressure of work,
ill health or loss of interest.

It is proposed that ALL systems be considered closed for the purposes of the design of this interface so that it makes no assumptions about the

availability of software interfaces hosted within the PC or at the very least
only makes use of well documented interfaces and protocols (e.g. SLIP, PLIP, PPP etc).

3. Multiple interfaces

The lifetime of an IBM compatible PC can be considered to be about 10 years before no supported software is available to run on it (try going to a shop and buying a copy of DOS!). Over this timeframe, many different interfaces have come (and gone) so the design should be flexible enough to allow either direct connection to several of them or be expandable to connect new and different interfaces to it.

Thought should in particular be given to those interfaces likely to disappear from new PCs in the near future, such as floppy and serial.

The minimal set for the primary design is serial and USB but parallel, ethernet, IDE and SCSI should also be considered.

The building blocks of the interface should use a means of communication at as high a speed as possible to maintain this flexibility.

4. Expandability beyond a single 'port'

At some point, a user is likely to want to either operate on more that one frequency or at more than one speed at once. Current TNC designs are generally either fixed as a single port or internal PC cards that are expensive to start with but do allow expansion with additional modems. The creation and expansion of a digital network also requires that some individuals make a considerable investment in multiple port user access and backbone 'linking'.

Most physical interfaces on a PC generally only allow a single device to be connected so thought must be given to means of multiplexing to additional ports.

5. Low cost

As well as individual parts costs, the assembly costs (in time and use of dedicated equipment) should be considered. Surface mount is OK for home construction in low pin count packages but becomes a problem when devices with upwards of 200 pins are specified. The choice of parts also reflects in the cost of PCB design and manufacture.

6. Capable of home construction

As with the previous point, no special tools should be required to construct the interface (e.g. flow/wave soldering). This does not preclude the possibility that certain skills are required (i.e. fixing low pin count SMD).

7. Open design

The design and implementation should be progressed under the GPL license so that it not dependant on any single person or group of people. The take-up of a new design is most likely if the designs, protocols, hardware, firmware and software are all readily available.

This does not mean that it is free - just as TVIPUG charges a small premium for its 9k6 modem kits - the designs are available to be duplicated/improved by others.

--
Robin

Internet: g8ecj@abmdata.demon.co.uk http://www.gb7ipd.freeserve.co.uk/
Anorak mode = Shack: (+44) 1628 533311 Fax: (+44) 8700 516573
Club pages (g4xyw modem etc) at http://www.tvipug.org

87. Rotator

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-17 02:58:14 UTC
From: rob <rhka0fbj@winco.net>
Message-ID: <3C463DC5.A249586D@winco.net>
Source record: 7161

WTB YAESU G550 or earlier model elevation rotator.
Thanks for looking. Rob

88. Re: Program...

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-17 08:34:23 UTC
From: Markus Lenggenhager <hb9brj@yahoo.com>
Message-ID: <3c480134$0$220$4d4ebb8e@read-nat.news.nl.uu.net>
Source record: 7173

The most versatile I know is MixW: http://tav.kiev.ua/~nick/mixw2/

Markus HB9BRJ

"Jochen Cichon" <joschi@vizzavi.net> wrote in message
news:a1uhbt$1ij$1@newsread1.arcor-online.net...
>
> Hi,
>
> i'm looking for (best) ONE program to do most of the amateur modes.
> PSK, HELL, CW, RTTY, AMTOR, PACTOR... (any other)
> Mostly i would like to have TEXT transfer, but sstv/fax etc... is also
good
> ato have.
>
> The best thing is to have one programm running under dos. OK windows is ok
> also.
>
> Hm the hardware. Best it should use the soundcard. But it is great if
there
> are other
> hw to use (hamcom..., ptc...)
>
>
>
> Tnx. Jochen (DH1JC)
>
>
>

89. Re: Image Kissprom ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-17 09:46:20 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna4d7bc.s3e.nomail@linux.pe1chl.ampr.org>
Source record: 7162

Claes Hï¿½gberg <claes@hogberg.org> wrote:
>I wonder where to find images of kiss ?
>We will use a few Tiny-2 in a node running Linux, and need to get the tncs in
>kissmode. Anyone hve an idea ? or even the images ?

Is there no KISS in the standard firmware?

I would not run a node with KISS TNC's anyway, but that is another issue.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

90. LINUX: LinPacFWD source code

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-17 11:12:37 UTC
From: ti2dll@email.com
Message-ID: <slrna4cj33.3k0.ti2dll@obrien.no-ip.com>
Source record: 7163

Here's another interesting perl program I wrote. This one takes received
messages from the LinPac storage folder and transfers them to your e-mail
address. It's not ready to be used as a full service gateway yet, but for
single user, local use, it works!

Source code begin

```
#! /usr/bin/perl
#
# LinPacFWD
# Version: 0.1-a
# Mario Melendez, TI2DLL (mmelendez@engineer.com)
#
# LinPacFWD is a program complementary to LinPacGW, which does the opposite:
# it takes a packet message from the LinPac storage folder, chews on it for
# a while and then sends it via e-mail to the address you specify.
# LinPacFWD takes input from stdin, which means you need to pipe your
# message to it, for example using cat 1000 | linpac.fwd
#
# LinPacFWD isn't destined to be a full service gateway... yet. It's mainly
# designed for a single user that's got LinPacGW installed and wants to
# read his packet messages using his unix mail client instead of LinPac.
#
# Installation: put LinPacFWD in your favorite directory. Then take the
# messages from your LinPac incoming folder and pipe them to the program.
# On my machine I have a cron job that cat's the messages and pipes them,
# which seems to work nicely. LinPacFWD is smart enough so as not to send
# you the same message twice on a particular BBS.
#
# CONFIGURATION:
#
# $mailto - E-mail address to send the messages to
# $from - Address which will appear on sent messages
# $indexfile - File where record of sent messages is kept.
#
# NOTE: LinPacFWD requires the Mail::Sendmail module be installed in
# your version of PERL (this sendmail isn't the same thing as the
# sendmail MTA). The module is available from www.cpan.org.

$mailto="me\@myserver.net";
$from="packet\@mygateway.net";
$indexfile="/home/me/.linpacindex";

use Mail::Sendmail;
```

```
while (<>) {
push @content, $_ }

# What's the message number?

(undef,undef,$msgnum)=split(/\s/,@content[0]);
(undef,$msgnum)=split(/#:/,$msgnum);

# See if the message has been processed before

$process=1;

open FILE,$indexfile;
while (<FILE>) {
$process=0 if $msgnum==$_;
}
close FILE;

if ($process==1) {

# Strip initial route lines

@content=reverse(@content);

$a=0;

foreach(@content) {
if (m/^R:/) { splice (@content,$a) }
$a++; }

@content=reverse(@content);

# Now send it via e-mail

%mail = ( To => $mailto, From => $from, Subject => "[Packet] Message $msgnum");
$message=join("",@content);
$mail{"Message : "}=$message;

if (sendmail %mail) { $ok=1; }
else { print $Mail::Sendmail::error; }

# Add the message number to the processed list

open FILE,">>$indexfile";
print FILE "$msgnum\n";
close FILE;

} # if

# Source code end

73

--
//\/\ario //\/\elendez- TI2DLL
mmelendez@engineer.com
```

91. LINUX: LinPacGW mail gateway

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-17 11:12:40 UTC
From: ti2dll@email.com
Message-ID: <slrna4cjq3.3k0.ti2dll@obrien.no-ip.com>
Source record: 7164

Here's a little something I wrote in my spare time. Thing is, I've been trying to set up my packet system on Linux for a while now, and what's limited me so far is the software available. The most I've found is LinPac, who's mail functions tend to be a little buggy. But the message transport routines in LinPac work nicely, so I figured I could use those and pipe the messages to my regular e-mail reader (mutt) and work from there.

What LinPacGW does is take an e-mail message, process it, and add it to the end of the LinPac outgoing queue. Then when you run LinPac with a :forward command your messages get sent to your BBS. Installation is pretty simple: add an alias to your system pointing to the program, then send your messages there. On the first line you should specify TO:<address> if you want to send to a particular packet recipient, and if you want a personal message, add [P] to the subject (with the square brackets).

Comments are welcome.

```
# Begin source code

#! /usr/bin/perl
#
# LinPacGW
#
# Version: 1.0
# Mario Melendez, TI2DLL (mmelendez@engineer.com)
# January 16, 2001
# Provided "as is"... use at your own risk.
#
# LinPacGW is a PERL script which takes a message fro your e-mail
# MTA and adds it to the outgoing LinPac queue.
#
# So far it's been tested successfully using LinPac 0.16pre9 under
# Debian 2.1 and PERL 5.005_03
#
# Installation: put the program in your favorite directory and create
# an entry in /etc/aliases which will pipe the messages to the program.
# If you're using exim as your MTA, you'll probably need to uncomment
# the "user = list" in the system_aliases part of your exim.conf file.
#
# Use: send your e-mail messages to the aliase you created. If you want
# to send a personal message, include [P] (with the brackets) in the
# subject. If you want to send to an address different from the default one,
# add TO:<address> (without the brackets) to the first message line.

# CONFIGURATION
```

```
# Before using the program, set the following parameters, as well as
# the necessary rwx permissions on your LinPac directories.
#
# maildir - Directory where LinPac stores its outgoing messages
# msglist - Complete path and filename of the messages.local file
# gateaddr - Gateway address, which is the address which will be used
# for the From: part of the outgoing packet messages.
# defto - TO: address which will be used if none is specified.
# gmthours - Hours to add/subtract for GMT time.
# dflag - Default message type. BO = bulletin. PO = private.
# Don't forget the O at the end or LinPac won't process it.
# gwid - Gateway ID line, which is appended to the message.

$maildir="/root/LinPac/mail";
$msglist="/root/LinPac/mail/messages.local";
$gateaddr="GATEWAY\@MYBBS.MYD.MYO";
$defto="TODOS\@WW";
$gmthours=6;
$dflag="PO";
$gwid="*** LinPacGW 1.0... it works! ***";

while (<>) {
push @content,$_;
}

open FILE,$msglist;
while (<FILE>) {
push @messages,$_;
}

@messages=reverse(@messages);
($msgnum,undef)=split(/\t/,@messages[0]);
$msgnum++;

$header=1;

foreach (@content) {
$header=0 if /^\n/;
push @header,$_ if $header==1;
push @body,$_ if $header==0;
}

foreach (@header) {

chomp $_;

if (m/^From:/ and $fromcode==0) {
$from=$_;
$fromcode=1}

if (m/^Date:/ and $datecode==0) {
$date=$_;
$datecode=1}
```

```
if (m/^Subject:/ and $subcode==0) {
$subject=$_;
$subcode=1}

if (m/^Message-Id:/i and $idcode==0) {
$msgid=$_;
$idcode=1}

}

(undef,$from)=split(/from:/i,$from);
(undef,$subject)=split(/subject:/i,$subject);
(undef,$date)=split(/Date:/i,$date);
(undef,$msgid)=split(/message.id:/i,$msgid);

if ($subject=~m/\[P\]/) { $flag="PO"; } else { $flag=$dflag; }

# Mata cualquier attachment al final del mensaje

$header=1;
$a=0;

foreach (@body) {

$killline=0;
$header=0 if m/^.ontent..ype:.application/;
splice(@body,$a) if $header==0;

$a++ if $header==1;
}

$header=1;
$a=0;

foreach (@body) {

$killline=0;
$header=0 if m/DOCTYPE HTML PUBLIC/i;
splice(@body,$a) if $header==0;

$a++ if $header==1;
}

if (@body[1]=~m/^TO:/i) {
(undef,$to)=split(/TO:/,@body[1]);
chomp $to;
} else {
$to=$defto;
}

($sec,$min,$hour,$day,$mon,$year)=localtime((time+$gmthours*3600));
$year=$year%100;
$mon++;
$stime=sprintf "%02d%02d%02d/%02d%02dZ",$year,$mon,$day,$hour,$min;
```

```
open FILE,">>$msglist";
print FILE "$msgnum\t$flag\tGW-DLL-$msgnum\t$gateaddr
\t$to\t$stime\t|$subject\x0A";
close FILE;

@body=reverse(@body);
push @body,"De: $from\nFecha: $date\nMsgID: $msgid\n";
push @body,"\n---- Mensaje retransmitido de Internet ----\n";
@body=reverse(@body);
push @body,"\n$gwid\n";

open FILE,">$maildir/$msgnum";
print FILE "$subject";
foreach (@body) { print FILE $_;}
close FILE;

# End source code

--
//\/\ario //\/\elendez- TI2DLL
mmelendez@engineer.com
```

92. Rigblaster vs. MFJ-1275?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-17 13:49:10 UTC
From: vtail@hotmail.com
Message-ID: <3c46d614.715379@news.netis.com>
Source record: 7165

Anyone have any opinion on the MFJ-1275 vs. the Rigblaster, as a soundcard-to-radio interface for HF PSK31?

93. Sound card (Digipan, etc.) broken after install of TV tuner card

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-17 14:43:58 UTC
From: vtail@hotmail.com
Message-ID: <3c46e16c.3620184@news.netis.com>
Source record: 7166

I installed Digipan and a few other sound card programs for PSK31, RTTY, MT63, etc., and everything worked fine. Then I installed an STB TV tuner card and Hauppauge WinTV program, which also works fine ... except that now all of my digital comm programs (Digipan and the others) are broken ... they can't access the sound card.

I uninstalled all of the digital-mode programs I had installed, and re-installed Digipan, but no luck.

I haven't yet tried uninstalling the TV tuner and removing the card. Before I do that, I wanted to check in here and ask ... Has anyone else tried using this combination or anything like it, and have you had the same problems and found solutions?

Thanks...

Rick WA1RKT

94. Re: Sound card (Digipan, etc.) broken after install of TV tuner card

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-17 15:09:23 UTC
From: xpyttl <xpyttl_nospam@earthling.net>
Message-ID: <u4dq9eho959h22@corp.supernews.com>
Source record: 7167

Check the Device Mangler to be sure you don't have an IRQ conflict, or worse yet, Windoze hasn't decided to move the sound card to somewhere that Digipan can't find it. Windoze does these things for you.

You might also try moving the Hauppague IRQ somewhere else. I have a little older version of DigiPan so it may be fixed by now, but I noticed that DigiPan puts it's keys in a nonstandard place in the registry. If DigiPan remembered the sound card location in the registry you might have a hard time finding it, and there is no guarantee that the uninstall took care of the key, especially since it isn't in the normal place and the commercial install/uninstalls are unlikely to find it.

..

<vtail@hotmail.com> wrote in message news:3c46e16c.3620184@news.netis.com...
>
> I installed Digipan and a few other sound card programs for PSK31,
> RTTY, MT63, etc., and everything worked fine. Then I installed an STB
> TV tuner card and Hauppauge WinTV program, which also works fine ...
> except that now all of my digital comm programs (Digipan and the
> others) are broken ... they can't access the sound card.

95. X Text System 0.2.0

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-17 19:38:43 UTC
From: Florian <m.florian@free.fr>
Message-ID: <1103_1011296323@florian>
Source record: 7168

```
Hello,
X Text system 0.2.0 is available.
you can download it on this page : http://xtsl.sourceforge.net

N.B : XTS is a teletext server for packet radio under Linux
73s
```

96. Re: Rigblaster vs. MFJ-1275?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-18 00:57:44 UTC
From: Larry Deitcher <kb9ksr@adelphia.net>
Message-ID: <cqK18.147$Xw4.38099@news1.news.adelphia.net>
Source record: 7169

I have a mfj1275 I think it suck!!!! I have been thru 4 unit before I could get one to work with the Icom 706. I have tried various shareware programs and even bought the mfj1296 multimode software frome mfj and it still suck. I would be using it on MARS freq for digital mode. I heard from Rigblaster that they have about 7000 unit out and mfj only have about 500.
Larry kb9ksr

97. Re: Image Kissprom ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-18 01:19:55 UTC
From: Jim Hope <k4yte@earthlink.net>
Message-ID: <%KK18.2883$OS5.230928@newsread1.prod.itd.earthlink.net>
Source record: 7170

```
have you tried "kiss on" command ???? That is what it says in my tiny2
tnc manual
```

Jim
"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
news:slrna4d7bc.s3e.nomail@linux.pe1chl.ampr.org...
> Claes H�gberg <claes@hogberg.org> wrote:
> >I wonder where to find images of kiss ?
> >We will use a few Tiny-2 in a node running Linux, and need to get the
tncs in
> >kissmode. Anyone hve an idea ? or even the images ?
>
> Is there no KISS in the standard firmware?
>
> I would not run a node with KISS TNC's anyway, but that is another issue.
>
> Rob
> --
> +-------------------------------+-------------------------------------+
> | Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
> | AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
> +-------------------------------+-------------------------------------+
>

98. Re: Rigblaster vs. MFJ-1275?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-18 02:19:50 UTC
From: "Bob Lewis (AA4PB)" <rlewis@staffnet.com>
Message-ID: <u4f1if7oejb9be@corp.supernews.com>
Source record: 7171

I don't use either here but the RigBlaster looks really good on their web site and I've heard lots of good reports about it. If you're going to do a voice contest keyer or slow scan, it really shines. Your mic is normally switched to the rig for either PTT or VOX use. When your software keys the RigBlaster, it shuts off the mike and switches the audio to the sound card. Makes it real easy to go between voice and the sound card. I think most of the others are designed with only the digital modes in mind whereas RigBlaster has considered the voice/sound card switchover.

99. Re: Image Kissprom ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-18 08:58:36 UTC
From: Roger Barker <roger@peaksys.co.uk>
Message-ID: <4z6NyuA8O+R8EwIN@peaksys.co.uk>
Source record: 7172

In article <%KK18.2883$OS5.230928@newsread1.prod.itd.earthlink.net>, Jim Hope <k4yte@earthlink.net> writes
>have you tried "kiss on" command ???? That is what it says in my tiny2
>tnc manual

KISS ON
RESTART

Of course the problem with using the standard Tiny-2 firmware is that if the TNCs reset for any reason, they're no longer in KISS mode.

G8BPQ's JKISS works well in Tiny-2s, or in any other TNC-2 clone.

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

100. Pactor and PSK31 without soundcard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-18 11:14:40 UTC
From: Andreas Weller <weller@andreas-weller.de>
Message-ID: <a2902t$et9$03$1@news.t-online.com>
Source record: 7174
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.misc

Hi!

I want to take my HamRadio Equipment to my holiday. And I want to use Pactor and PSK31. But I've only a small pentium 100 laptop with 32 MB RAM and no(!) Soundcard.
Is there a (cheap) hardware (may be homebrew or kit) solution for an external decoder putting the decoded signals into the RS232 of my Laptop - like a modem?

Thank you!

Andreas Weller [DF1PAW]

101. Re: Pactor and PSK31 without soundcard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-18 13:18:00 UTC
From: "Bob Lewis (AA4PB)" <rlewis@staffnet.com>
Message-ID: <u4g84jfhsuhl51@corp.supernews.com>
Source record: 7175
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.misc

> Is there a (cheap) hardware (may be homebrew or kit) solution for an
> external decoder putting the decoded signals into the RS232 of my
Laptop -
> like a modem?

Based upon the keyword "cheap" - not that I know of. I think the SCS
PTC-II series is the only one that can do PSK31 without a sound card
and it's not "cheap" by my standards :-0

102. Re: Pactor and PSK31 without soundcard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-18 13:25:55 UTC
From: Rick Ruhl <ricker@cssincorp.com>
Message-ID: <JjV18.1150$h31.279575@e420r-atl1.usenetserver.com>
Source record: 7176
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.misc

The new Kantronics KAM XL can do PSK-31 and Pactor without the sound card. It's on $399.00. And of course Pacterm for Windows will run on a 486 or better with the KAM XL. Pacterm for Windows lets you use point and click "Zoom/Tune" for tuning the PSK-31 signal with the XL. It is less expensive than the PTC-II series and both a very good TNCs.

http://www.kantronics.com
http://www.cssincorp.com/pacterm

Rick - W4PC

"Bob Lewis (AA4PB)" <rlewis@staffnet.com> wrote in message news:u4g84jfhsuhl51@corp.supernews.com...
> > Is there a (cheap) hardware (may be homebrew or kit) solution for an
> > external decoder putting the decoded signals into the RS232 of my
> Laptop -
> > like a modem?
>
> Based upon the keyword "cheap" - not that I know of. I think the SCS
> PTC-II series is the only one that can do PSK31 without a sound card
> and it's not "cheap" by my standards :-0
>
>
>

103. Re: Pactor and PSK31 without soundcard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-18 16:53:46 UTC
From: Guy Austin <guy.austin@unn.ac.uk>
Message-ID: <a29jvdpsh1@dax.unn.ac.uk>
Source record: 7177
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.misc

But another cheap 2nd hand laptop would be another way to go

"Rick Ruhl" <ricker@cssincorp.com> wrote in message
news:JjV18.1150$h31.279575@e420r-atl1.usenetserver.com...
> The new Kantronics KAM XL can do PSK-31 and Pactor without the sound card.
> It's on $399.00. And of course Pacterm for Windows will run on a 486 or
> better with the KAM XL. Pacterm for Windows lets you use point and click
> "Zoom/Tune" for tuning the PSK-31 signal with the XL. It is less
expensive
> than the PTC-II series and both a very good TNCs.
>
> http://www.kantronics.com
> http://www.cssincorp.com/pacterm
>
> Rick - W4PC
>
>
> "Bob Lewis (AA4PB)" <rlewis@staffnet.com> wrote in message
> news:u4g84jfhsuhl51@corp.supernews.com...
> > > Is there a (cheap) hardware (may be homebrew or kit) solution for an
> > > external decoder putting the decoded signals into the RS232 of my
> > Laptop -
> > > like a modem?
> >
> > Based upon the keyword "cheap" - not that I know of. I think the SCS
> > PTC-II series is the only one that can do PSK31 without a sound card
> > and it's not "cheap" by my standards :-0
> >
> >
> >
>
>
>

104. LINUX

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-18 17:49:42 UTC
From: Rob Morris <romorris@bellsouth.net>
Message-ID: <Y2Z18.8843$Y17.440326@e3500-atl2.usenetserver.com>
Source record: 7178

Is there anywhere on the web I could go and find good software for LINUX/TNC use.

Also, I have a linux(debian) box that I have set up with ax25 kernel. It looks like im creating the devices ok, but I cannot connect anywhere? it also gives me a rose port not active when trying to use node..

-Rob Morris

105. ARNewsline 1275 - Jan 18 2002

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-18 18:37:54 UTC
From: radionews@aol.com
Message-ID: <20020118133754.25519.00003272@mb-fc.aol.com>
Source record: 7179

AMATEUR RADIO NEWSLINE(tm) REPORT #1275 - January 18 2002

Amateur Radio Newsline report number 1275 with a release date of
Friday, January 18th 2002 to follow in 5-4-3-2-1.

The following is a Q-S-T. A new ham antenna on the I-S-S and a new microwave record down-under are first on Amateur Radio Newsline report number 1275 coming your way right now!

(Billboard Cart Here)

**

HAM RADIO IN SPACE: NEW ANTENNAS INSTALLED ON THE ISS

An American astronaut and a Russian cosmonaut ventured into space on Monday January 14th to move a construction crane and install a new set of ham radio antennas on the International Space Station. Roy Neal, K6DUE, has the details.

--

THERE IT WAS, ON NASA TELEVISION, TWO WHITE SPACE SUITED CHARACTERS, DWARFED BY THE IMMENSITY OF THE INTERNATIONAL SPACE STATION. FOR THE 32ND TIME ASTRONAUTS AND COSMONAUTS WERE OUTSIDE THE HUGE SPACECRAFT TO ASSEMBLE HARDWARE.

THEIR PRIMARY OBJECTIVE WAS TO MOVE A BIG CARGO CRANE FROM ITS TEMPORARY BERTH ON THE UNITED STATES SIDE OF THE ORBITING OUTPOST TO A PERMANENT LOCATION OUTSIDE THE DOCKING COMPARTMENT OF THE RUSSIAN CONTROL MODULE.

THAT ACCOMPLISHED, THEY WENT ON TO UNFURL A HAM RADIO ANTENNA. ASTRONAUT CARL WALTZ, KC5TIE AND COSMONAUT YURI ONUFRIENKO, RK3DUO, DEPLOYED THE RIBBON OF TAPE THAT SOON WILL BE IN USE ON A HAM RADIO STATION IN THE SERVICE MODULE,. WHERE THE CREWS LIVE AND SLEEP. A SECOND STATION HAS BEEN IN SERVICE FOR SOME TIME INSIDE THE SO CALLED FUNCTIONAL CARGO BLOCK, ANOTHER SECTION OF THE I S S.

FRANK BAUER, KA3HDO, THE CHAIRMAN OF ARISS, THE GROUP THAT IS RESPONSIBLE FOR AMATEUR RADIO ON THE SPACE STATION, CONGRATULATED THE INTERNATIONAL TEAM OF LICENSED HAMS FOR THE SUCCESSFUL CONCLUSION TO MONTHS OF HARD WORK.

ON JANUARY 25th ONUFRIENKO IS SCHEDULED TO GO OUTSIDE AGAIN, WITH FLIGHT ENGINEER DAN BURSCH, KD5PNU, TO INSTALL 3 MORE HAM RADIO ANTENNAS OUTSIDE THE MODULE THEY CALL ZVEZDA, THE CREW COMPARTMENT THAT'S THE SIZE OF A PASSENGER BUS HERE ON EARTH.

HAM RADIO IS GROWING RAPIDLY IN SPACE, ALONG WITH THE INTERNATIONAL STATION ON WHICH IT'S INSTALLED.

FOR THE AMATEUR RADIO NEWSLINE, ROY NEAL, K6DUE

--

The Expedition 4 crew will remain on board the ISS until May. And according to Frank Bauer, KA3HDO, another important task is to bring the automatic packet system back on line. He says that ground technicians are working with the astronauts and cosmonaut on that project and that task will continue as crew time permits. (ARNewsline from information provided by ARISS, NASA.)

**

HAM RADIO RECORDS: 24 GHZ DOWN-UNDER

A new distance record is set on a band where even commercial interests are only now starting to tread. And its a group of Australian hams who have set it. Q-News Graham Kemp, VK4BB, has the details:

--

A new Queensland distance record on 24.048.1 GHz USB was established morning of Tuesday 08 January over a 72.8 Km path. Location 1 was at Wellington Point, with VK3ZQB and VK4ZHL portable. Location 2 was at Caloundra, with VK3XPD and VK5DK portable operating.

Signals strengths up to 5x5 after initial optimization with typical daytime QSB. The visiting team are continuing with local propagation experiments. The challenges of building and operating microwave amateur radio equipment are wonderfully rewarding in many ways!

From Q-News Australia, I’m Graham Kemp, VK4BB, for the Amateur Radio Newsline.

--

Further experimentation is expected to bring even more record setting contacts in this very microwave ham radio band. (Q-News)

**

RESTRUCTURING: BIG LICENSING SUCCESS IN THE UK

A new slow-code license recently introduced in the United Kingdom is also setting records. This in the area of people flocking to get it. Jeramy Boot, G4NJH, days that the new British Foundation License is on its way to becoming a major success:

--

The Radio Licensing Center reports that, as of the 7th of January, exactly 600 of the new M3 Foundation Licenses had been issued.

In the 'QSO Party' for Foundation Licensees that took place on the 1st of January it is estimated that about 100 M3 stations were active. Many joined the one-minute-past-midnight 80-meter net and many more were heard working DX during the subsequent days.

One person active on the 1st of January was Mike Marsden, M3BQH, who also holds the callsign G8BQH. Mike reports that he worked Alex, UR5EDU, in the Ukraine at

two seconds past midnight, using 10 watts on 40 meters. The report was 59+10dB. After a few hours' sleep M3BQH worked 66 stations on the first day, with only two short CQ calls.

"The pile-up queue was never ending, I even managed to work seven other M3s", Mike said.

Jeramy Boot, G4NJH

--

To put this in perspective. The UK has 57,814 hams so 600 is about 1%. Here in the United States we have close to 625,000 licensees. That’s the equivalent of getting 6250 hams signing up for a new license class here in the USA in only a few short days. (GB2RS)

**

BREAK 1

This is ham radio news coming to you from the United States of America. We are the Amateur Radio Newsline, including the W8GK repeater serving Charleston West Virginia.

(5 Sec Pause Here)

**

RADIO REGULATIONS: FCC'S APPROVES DRAFT WRC PROPOSALS

The FCC’s Advisory Committee for the year 2003 World Radiocommunications Conference has approved its preliminary draft proposals. The document has been assigned as D-A-02-101 and deals mainly with satellite and terrestrial allocations in the UHF and microwave bands. Amateur Radio is only briefly mentioned in the area of 890 to 1350 MHz allocations.

The Advisory Committee itself was formed in January of 2001 to assist in the development of United States proposals for WRC 2003. DA-02-101 is based primarily on the committee report. Comments on it are due on it no later than January 28th.

The complete of 55 page text of DA-02-101 is on the FCC website at http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-02-101A1.txt (FCC)

**

ENFORCEMENT: CLEAN UP THE INTERFERENCE - PLEASE

The FCC has written to an A-M radio station and an electric power provider to help resolve an unusual and long-standing interference situation. One affecting local amateurs in the Cincinnati and Mason Ohio areas. Amateur Radio Newsline’s Don Wilbanks, KC5MFA, brings us up to date:

--

The letter suggests that multiple sources may be involved in this interference case. Also that two that are possibilities are Cinergy Corporation and radio station WLW. Cinergy is the electric company to the affected area and WLW is a Clear Channel Communications owned power-house AM station serving the greater Cincinnati area from a transmitter in Mason.

WLW operates on 700 kHz with 50,000 Watts into a single element diamond shaped half-wave vertical tower. This is only one of two such towers left in the United States, the other belonging to WSM AM in Nashville Tennessee. Both were constructed in the early 1930's by the now defunct Blaw Knox Construction Corporation.

One of the amateurs affected is Bob Reiff, WA8ULW, of Mason. Reiff told the ARRL Letter that while the noise is most noticeable on 160 meters, it's showing up elsewhere. He says that some local hams suspect it is even causing problems even on a two meter repeater.

In its letters, the Commission says that it recognizes this to be an unusual case. It says that the source of the interference could turn out to be something else unexpected. But the Commission adds that it is turning to the radio station and electric utility company and asking for their help in finding the source of the noise plaguing the Mason ham community. It's also asking that both cooperate with the technical experts from the American Radio Relay League in solving the problem.

For the Amateur Radio Newsline, I'm Don Wilbanks, KC5MFA.

--

By the way, More information on this very interesting Blaw Knox diamond tower design and the ones installed at both WLW and WSM is available on-line. Simply take your browser to http://www.wsmonline.com/w_homepage/tower/index.html. Its very interesting reading. (FCC, ARRL, Amateur News Weekly)

**

ENFORCEMENT: UNLICENSED OPERATOR TOLD TO EXPLAIN

A former ham that the FCC says may have been on the air without a license has been asked by the agency to provide an explanation. The person posing the questions is FCC chief ham radio rules enforcer Riley Hollingsworth, K4ZDH. And in a recent Rain Enforcement log, Hollingsworth outlined the situation:

--
Hollingsworth: "We requested clarifying information from Brian Bailey, ex-KD5PXQ. His license was set aside by the Wireless Bureau on October 19th. We want to know his exact whereabouts on two specific days in September. Bailey has been in touch with us and is deciding weather to provide the information."
--

According to Hollingsworth, the information that the FCC wants from Bailey relates to allegations of unlicensed operations and malicious interference. (FCC, RAIN)

**

HELPING HAMS: HAMDIHAMS NEW E-MAIL ADDRESS

This note: The Courage HandiHam System has a new electronic mail address. You can now reach the group at handiham@courage.org. You may also contact its Director Pat Tice directly at wa0tda@arrl.net. (HandiHams)

**

CONVENTIONS: HAMVENTION SAYS BRING YOUR BUS AND LAVE THE PARKING SPOT TO US

Free parking at the HARA Arena for Hamvention? Well, kind of. Its free if you leave your car at home and charter a bus to bring in a pretty large group of people to the event. Amateur News Weekly's Phil Thomas, W8RMJ has the not so complex details:

--

For Amateurs who charter a bust to make the annual journey to Hamvention, the Dayton Hamvention Committee will reserve a parking place for your chartered bus for the entire three days of Hamvention. The reserved parking will be close to the HARA Arena Complex, allowing not only a place to secure your valued purchases, but also a place to rest those weary feet after walking many, many miles of Hamvention. Space is limited for the new charter bus parking area. Pre registration is required. Availability is on a first come, first served basis.

--

For more information on the new on-site charter bus parking offer or to reserve a space, please contact the Dayton Hamvention office. It's open normal business hours Eastern Standard Time at are code (937) 276-6930. You can also fax your request toll free at
1-800-491-4267. (Amateur News Weekly)

**

CONFERENCES: SE VHF SOCIETY IN APRIL

Greg Robinson KB4NVD says over the VHF Reflector that the Sixth Annual Southeastern VHF Society Conference will take place April 26th through the 27 Th. in Oak Ridge, Tennessee. The conference, hosted by the Southeastern VHF Society, promises to be an interesting and exciting event with presentations from accomplished VHF and up amateur radio enthusiasts from several parts of the country. Registration, program details, hotel and travel information can be found in cyberspace at www.svhfs.org. (SE VHF Society)

**

HAM RADIO EVENTS: KIDS DAY A BIG MID-WEST SUCCESS

The first Kids Day operating event for 2002 was a rousing success in many venues. But in one Mid-West city a bit of coverage on a local T-V station helped to make it even better. Again to Amateur News Weekly and reporter Jack Parker, W8ISH:

--

Kids Day at the Indianapolis Chapter of the American Red Cross got a boost when event coordinator Stece Wendt, KB9RDS, made an appearance on a local TV news program. During the two minute segment. Wendt told viewers that all kids and their parents were welcome to share in the Amateur Radio experience, including an introduction to Morse Code, VHF repeaters and HF:

--
Wendt: “And then we turn around tand take them over to the big radios -- the big base station radios where they can talk -- literally -- around the world.”
--

This is the second year the local Red Cross chapter has shown young people how to tune in the world.

Reporting from Indianapolis Indians for Amateur News Weekly, This is Jack Parker, W8ISH.

--

This is just one of many Kids Day success stories. We will have more in future Amateur Radio Newsline reports. (Amateur News Weekly)

**

BREAK 2

From the United States of America, we are the Amateur Radio Newsline, with links to the world from our only official website - www.arnewsline.org.

(5 sec pause here)

**

ARNEWSLINE(tm) FINANCIAL UPDATE WITH N6TCQ

It’s time for a report on the financial situation here at Amateur Radio Newsline. With it is our Support Fund Administrator and Corporate Treasurer, Andy Jarema, N6TCQ:

--

It is January of 2002. A brand new year for ham radio. And the beginning of another year for us here at the Amateur Radio Newsline. And as we start off the new year, here are the current finances.

Looking in the new corporate checkbook, the balance shows us at about $700 give or take a few bucks. Not very much when you consider that it takes over a thousand dollars a month to produce these weekly 20 minute Q-S-T’s.

Obviously, Amateur Radio Newsline is going to need your help -- and -- need it quickly to keep it from going away and to keep the news of ham radio coming your way.

We have done all that is possible from our side to keep costs under control. But, some fixed expenses like the telephone and long distance calling are a must have. So are electronic mail and world wide web access. There is the cost of the routine maintenance on the tape machines and editing gear. And in a few months the Newsline sponsored Young Ham of the Year Award will be rolling our way. All of this adds up and some costs just keep going up. When you add it all up and average it out, it comes to that $1000 a month figure I just mentioned.

So now is the time when Amateur Radio Newsline has to ask to ask that you help to keep its newscasts coming your way. Your tax deductible contributions can be sent to the Newsline Support Fund, Post Office Box 660937, Arcadia California. The Zipcode is 91066.

Ill be back within the next few weeks with an update on how things are going. For now from the Amateur Radio Newsline support center, I'm Andy Jarema, N6-Tiny-California-Quake.

--

Don't worry if you missed the address. It will be repeated in a few minutes at the end of this weeks newscast. (ARNewsline(tm) Support Fund)

**

ARNEWSLINE(tm): WE ARE GOING MP3

One other piece of news concerning Amateur Radio Newsline. As of March 1st, we will be dropping Real Audio and going exclusively MP3. Why the change? Well ever since we began posting a downloadable MP3 file at our own FTP site along side the Real Audio file, 9 out of 10 people have chosen the MP3. And with good reason. MP3 simply sounds a lot better than Real Audio to most of you. And by dropping the Real Audio, we can make the MP3 sound even better by encoding at a higher bit rate.

Right now, you can still compare the two formats if you like. Until February 22nd we will continue to post both Real Audio and MP3. Take the time to download both. And don't worry. Most modern media players including Real Audio, Microsoft Media and Winamp play MP3 so the chances are that you are already equipped to cover of the digital format change. (ARNewsline(tm))

**

SCIENCE AND TECHNOLOGY: THE NOISE OF EARTH

According to Space Daily, researchers have known for three decades that the Earth is a potent radio transmitter, but they were never able to pinpoint where the noise was coming from. Recently, by using data from the four spacecraft of the European Space Agency's Cluster mission, NASA-funded scientists have precisely located the source of the radio noise along the magnetic field lines. The noise originates several thousand miles above bright regions in the Earth's
northern lights. (AMSAT, Space Daily)

**

INTERNATIONAL-CANADA: ARE AGREEMENT IN B.C.

Turning to international news, Radio Amateurs of Canada which sponsors that nation’s Amateur Radio Emergency Service has signed a Letter Of Understanding and the British Columbia Provincial Emergency Radio Communication Service. The letter represents the collaboration between Radio Amateurs of Canada’s British Columbia Section Manager Fred Orsetti VE7IO and Supervisor of Information and Communications Technology for the Provincial Emergency Program Andrew Bryan VE7KSN, to provide a cooperative plan to carry out emergency communication. The letter also further enhances the work of the Canadian ARES program and compliments the Memorandum of Understanding signed May of 1994 between Radio Amateurs of Canada and Red Cross. (RAC)

**

INTERNATIONAL - CANADA: VE1AWA RESIGNS AS MARITIME PROVENCES SM

Due to personal reason Roy MacIntosh, VE1AWA has stepped down from the position of Section Manager for the Maritimes. Tom Caithness, VE1GTC has been appointed acting Section Manager pending outcome of the upcoming election call. (RAC)

**

INTERNATIONAL - UK: AMSAT-UK COLLOQUIUM

The 17th AMSAT-UK Colloquium will be held at Surrey University in Guildford from the 26th to 28th of July this year. AMSAT-UK is now inviting speakers to submit papers about amateur radio space and associated activities for this event and for the Proceedings document. Offers of papers should be submitted as soon as possible and should be sent only to Richard Limebear, G3RWL. His e-mail goes to g3rwl@amsat.org. (AMSAT-UK)

**

HAM RADIO IN SPACE: WEBSITE UPDATE

AMSAT reports that IK8XLD has updated his website with information about satellite operations, EME, the ham radio operation on the International Space Station, ATV and homebrew equipment. You can visit Rocco’s website at www.qsl.net/ik8xld. (ANS)

**

DX

In DX, DJ4KW and DK9GG are active from Belize as V31YN and V31GW respectively until about the 2nd of February. Activity is on CW, RTTY and PSK 31. (GB2RS)

And KE1F will be active on 10 to 160 meters CW, SSB and perhaps RTTY as ZF2LM from Grand Cayman Island from the 14th to 30th of January. (GB2RS)

Also R1ANF began operations as CE9 slash R1ANF on the 29th of December from a Chilean base in the South Shetland Islands. He is active on 10 to 28 MHz with 100 watts to an R6000 vertical. For all three, QSL as directed on the air. (OPDX)

Last but by no means least, word that JX7DFA, is on a job assignment to Jan Mayen. He is operating as LA7DFA. QSL via his home call. He will reply when he returns home in the Spring. (Modern DX)

**

THAT FINAL ITEM: A CALL FOR ARDF HUNTERS FOR THE WORLD GAMES

And finally this week, 2002 may be the biggest year yet for fans of hidden transmitter hunts, especially the ones that are all on foot. Amateur Radio Newsline’s Joe Moell K0OV helps coordinate happenings like these and has news of two major events.
--

Every two years, hams from around the world gather to see who is best at on-foot hidden transmitter hunting, also called foxtailing, radio-orienteering and ARDF. There are separate events on eighty meters and two meters, each with five transmitters scattered in a forest that can encompass 1000 acres or more.

Competitors are divided into five categories for males and four categories for females. Each country may have up to three persons per category on its team.

Back in Y2K, the championships were in China, with a dozen stateside hams among the competitors from 26 countries. This year, the excitement moves to Slovakia and takes place from September 2 through 7. Once again, ARDF Team USA will be there.

Would you like to be on that team? If so, contact me right away, because USA must submit its Letter of Intent to the Slovakian hosts by the end of January.

Of course you'll need lots of practice beforehand, and you can get plenty by attending USA's own national ARDF championships, which will be April 19-21 in Pine Mountain, Georgia, near Atlanta.

Find out about both championships -- Slovakia and Pine Mountain -- by visiting my Web site: www.homingin.com. Homingin is one word. Then apply for the Team USA roster at my e-mail address on that site, or by postal mail to my callbook address.

Maybe you'll bring home a medal this year. From southern California, where this year's local radio-orienteering training sessions will begin soon, this is Joe Moell K-zero-Oscar-Victor for Amateur Radio Newsline.

--

In case you missed it, Joe’s website is www.homingin.com. “homeingin” is one word. (K0OV, ARNewsline(tm))

**

NEWSCAST CLOSE

With thanks to Alan Labs, Amateur News Weekly, AMSAT, the ARRL, the CGC Communicator, CQ Magazine, the FCC, the Ohio Penn DX Bulletin, Radio Netherlands, Rain, the RSGB and Australia's Q-News, that's all from the Amateur Radio Newsline(tm). Our e-mail address is newsline @arnewsline.org. More

information is available at Amateur Radio Newsline's(tm) only official website located at www.arnewsline.org. You can also write to us or support us at Amateur Radio Newsline(tm), P.O. Box 660937, Arcadia, California 91066.

A reminder that the nominating season for the Dayton Hamvention Radio Amateur of the Year, Technical Achievement and Special Achievement Awards closes January 31st. Nominations should be sent to Post Office Box 964 Dayton Ohio 45401. They can also be filed using the e-form at the Hamvention website. Its at www.hamvention.org.

For now, with Bill Pasternak, WA6ITF, at the editors desk, I'm _____ saying welcome to the year 2002, 73, and we thank you for listening." Amateur Radio Newsline(tm) is Copyright 2002. All rights reserved.

**

Terminal Break

**
RAIN promo
**

106. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-18 19:37:51 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna4gucf.6oh.nomail@linux.pe1chl.ampr.org>
Source record: 7180
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

Robin Gilks <g8ecj@gb7ipd.ampr.org> wrote:
>This is a request for comment on technical proposals for a new device to
>interface a PC to a radio for medium (later high speed) digital
>communication.

With todays PCs a separate standalone device is no longer required nor is
it very cost-effective. A plugin card has the advantage of low cost and
tight control by the software.

Look here for a modern card:
http://www.baycom.org/bayweb/tech/pciscc/pciindex.htm

When you really want a standalone device, interface it using ethernet
and use standard protcols like TCP/IP. The device can be a plain IP router
and will work with all existing operating systems, and for connected mode
AX.25 it can be a telnet server and interpret a TNC-like command set for
use by existing software (either with small mods to use a TCP session
instead of a COM port, or a small resident driver that connects a COM port
to a TCP session).

Existing design that can do this: TNC4e

I think it really is too late to start developing a new device from
scratch. Packet radio is mostly gone and will not return. What packet
radio users call "high speed" is called "slow" by wireless LAN standards.

It seems better to use one of the existing developments (mostly from
Germany) when you want to experiment with high speeds, or help to finalize
the development of an existing design.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
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| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

107. APRS Path Question

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-18 20:40:03 UTC
From: "D. Jacobs" <dju@nospam.com>
Message-ID: <d02h4u8sej6bgvlr9cmfgpf8qm110p2un9@4ax.com>
Source record: 7181

Hi,

Forgive my dumb question, but I was reading about how to set up an APRS path to the setting "VIA NOCALL" and my Kenwood TM-D700 will not allow me to use the SPACE character within the path field of the APRS configurations (as far as I can tell). So my question is how do I enter this into the path?

My best guess is: "VIA-NOCALL" or "VIA,NOCALL" or "NOCALL" (without the VIA).

Does somebody know the way I'm supposed to set this up? This is one of the learning curves I'm now up against in order to get started in APRS and packet radio. I hope it's not going to be too steep a climb.

Thanks for any help.

Dave

108. Re: APRS Path Question

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-18 20:52:59 UTC
From: David Little <dalite01@sprynet.com>
Message-ID: <a2a201up1@slb1.atl.mindspring.net>
Source record: 7182

Try the Alternate VHF settings, and choose the "other" in the pop-up window. It will open a window with APRS VIA and then a blank to enter the alternate path. I am guessing that the software can get the Kenwood to accept parameters that the terminal window won't. Also, if all else fails the initVHF.TNC file in the APRS subdir (assuming you are using WinAPRS) can be edited from a DOS shell using DOS EDIT. That is unless you have "upgraded" to XP and kissed DOS goodbye.

"D. Jacobs" <dju@nospam.com> wrote in message news:d02h4u8sej6bgvlr9cmfgpf8qm110p2un9@4ax.com...
> Hi,
>
> Forgive my dumb question, but I was reading about how to set up an
> APRS path to the setting "VIA NOCALL" and my Kenwood TM-D700 will not
> allow me to use the SPACE character within the path field of the APRS
> configurations (as far as I can tell). So my question is how do I
> enter this into the path?
>
> My best guess is: "VIA-NOCALL" or "VIA,NOCALL" or "NOCALL" (without
> the VIA).
>
> Does somebody know the way I'm supposed to set this up? This is one of
> the learning curves I'm now up against in order to get started in APRS
> and packet radio. I hope it's not going to be too steep a climb.
>
> Thanks for any help.
>
> Dave

109. Re: APRS Path Question

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-18 21:04:35 UTC
From: "D. Jacobs" <dju@nospam.com>
Message-ID: <7e3h4uoqn34lp1h2fo32mf9fnklrg64o7c@4ax.com>
Source record: 7183

On Fri, 18 Jan 2002 15:52:59 -0500, "David Little"
<dalite01@sprynet.com> wrote:

>Try the Alternate VHF settings, and choose the "other" in the pop-up window.
>It will open a window with APRS VIA and then a blank to enter the alternate
>path. I am guessing that the software can get the Kenwood to accept
>parameters that the terminal window won't. Also, if all else fails the
>initVHF.TNC file in the APRS subdir (assuming you are using WinAPRS) can be
>edited from a DOS shell using DOS EDIT. That is unless you have "upgraded"
>to XP and kissed DOS goodbye.
>
>
>"D. Jacobs" <dju@nospam.com> wrote in message
>news:d02h4u8sej6bgvlr9cmfgpf8qm110p2un9@4ax.com...
>> Hi,
>>
>> Forgive my dumb question, but I was reading about how to set up an
>> APRS path to the setting "VIA NOCALL" and my Kenwood TM-D700 will not
>> allow me to use the SPACE character within the path field of the APRS
>> configurations (as far as I can tell). So my question is how do I
>> enter this into the path?
>>
>> My best guess is: "VIA-NOCALL" or "VIA,NOCALL" or "NOCALL" (without
>> the VIA).
>>
>> Does somebody know the way I'm supposed to set this up? This is one of
>> the learning curves I'm now up against in order to get started in APRS
>> and packet radio. I hope it's not going to be too steep a climb.
>>
>> Thanks for any help.
>>
>> Dave
>

110. attention all packett operators..

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-18 21:06:01 UTC
From: Christopher Hoffmann <renopanner@msxn.com>
Message-ID: <3c488e8d_1@news.greatbasin.net>
Source record: 7185

Im looking to get in touch with any and all Amateurs who currently operate packett.. I have an event planned for the beggining of March 200 and would like to get the word out ahead of time.

Anyone interested in participating or who would just like to learn more about my idea can view all the details at www.qsl.net/kd6nsd/special.htm .. Even if you don't have packett capabilities you can still participate..

Thank you all for your time .... Chris KD6NSD

111. Re: attention all packett operators..

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-18 21:07:01 UTC
From: Christopher Hoffmann <renopanner@msxn.com>
Message-ID: <3c488ec9$1_1@news.greatbasin.net>
Source record: 7186

Sorry about that. I should read March 2002.. (my fingers are still asleep.)

112. Re: APRS Path Question

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-18 21:07:06 UTC
From: "D. Jacobs" <dju@nospam.com>
Message-ID: <9f3h4us95egq9udjo3es8gpoomptqijt5j@4ax.com>
Source record: 7184

(Oops I pushed SEND too soon on that last reply)

I forgot to point out that the TNC in built into the Kenwood radio
itself. I guess the answer is that the SPACE character is vital for
getting the full use out of APRS? If so, I'll poke at it more but it
seemed pretty clear that the space was not available form the options
menu on the radio. Maybe (hopefully) I just missed how to enter it.

BTW: Thanks for the fast reply!

Dave

On Fri, 18 Jan 2002 15:52:59 -0500, "David Little"
<dalite01@sprynet.com> wrote:

>Try the Alternate VHF settings, and choose the "other" in the pop-up window.
>It will open a window with APRS VIA and then a blank to enter the alternate
>path. I am guessing that the software can get the Kenwood to accept
>parameters that the terminal window won't. Also, if all else fails the
>initVHF.TNC file in the APRS subdir (assuming you are using WinAPRS) can be
>edited from a DOS shell using DOS EDIT. That is unless you have "upgraded"
>to XP and kissed DOS goodbye.
>
>
>"D. Jacobs" <dju@nospam.com> wrote in message
>news:d02h4u8sej6bgvlr9cmfgpf8qm110p2un9@4ax.com...
>> Hi,
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>> Forgive my dumb question, but I was reading about how to set up an
>> APRS path to the setting "VIA NOCALL" and my Kenwood TM-D700 will not
>> allow me to use the SPACE character within the path field of the APRS
>> configurations (as far as I can tell). So my question is how do I
>> enter this into the path?
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>> My best guess is: "VIA-NOCALL" or "VIA,NOCALL" or "NOCALL" (without
>> the VIA).
>>
>> Does somebody know the way I'm supposed to set this up? This is one of
>> the learning curves I'm now up against in order to get started in APRS
>> and packet radio. I hope it's not going to be too steep a climb.
>>
>> Thanks for any help.
>>
>> Dave
>

113. Re: LINUX

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-18 22:03:29 UTC
From: Alex V Flinsch <avflinsch@att.net>
Message-ID: <RY028.380374$W8.14002527@bgtnsc04-news.ops.worldnet.att.net>
Source record: 7187

On or about Fri, 18 Jan 2002 12:49:42 -0500, "Rob Morris"
<romorris@bellsouth.net> wrote about the following in article
<Y2Z18.8843$Y17.440326@e3500-atl2.usenetserver.com>:

> Is there anywhere on the web I could go and find good software for
> LINUX/TNC use.
>
> Also, I have a linux(debian) box that I have set up with ax25 kernel. It
> looks like im creating the devices ok, but I cannot connect anywhere? it
> also gives me a rose port not active when trying to use node..
>

http://radio.linux.org.au

is the place to look

--
Alex
KC2IVL
Linux 2.4.17 #2 Fri Dec 28 22:30:02 EST 2001 i686
5:00pm up 6 days, 8:44, 2 users, load average: 0.21, 0.13, 0.08

114. PK-88

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-18 22:08:47 UTC
From: Russ <redman27@frontiernet.net>
Message-ID: <u4h79hne3g941d@corp.supernews.com>
Source record: 7188

Does anyone know where I might find a manual for a PK-88 online ?

Russ N3TIH
redman27@frontiernet.net

115. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-18 22:35:57 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <hr128.380403$W8.14004460@bgtnsc04-news.ops.worldnet.att.net>
Source record: 7189
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
news:slrna4gucf.6oh.nomail@linux.pe1chl.ampr.org...
> Robin Gilks <g8ecj@gb7ipd.ampr.org> wrote:
> >This is a request for comment on technical proposals for a new device to
> >interface a PC to a radio for medium (later high speed) digital
> >communication.
>
> With todays PCs a separate standalone device is no longer required nor is
> it very cost-effective. A plugin card has the advantage of low cost and
> tight control by the software.
>
> Look here for a modern card:
> http://www.baycom.org/bayweb/tech/pciscc/pciindex.htm

Cool!

How do I get my 16 radio ports?

--

... Hank

http://horedson.home.att.net

116. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-18 23:56:19 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna4hdh3.987.nomail@linux.pe1chl.ampr.org>
Source record: 7190
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

Hank Oredson <horedson@att.net> wrote:

>"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
>news:slrna4gucf.6oh.nomail@linux.pe1chl.ampr.org...
>> Robin Gilks <g8ecj@gb7ipd.ampr.org> wrote:
>> >This is a request for comment on technical proposals for a new device to
>> >interface a PC to a radio for medium (later high speed) digital
>> >communication.

>> With todays PCs a separate standalone device is no longer required nor is
>> it very cost-effective. A plugin card has the advantage of low cost and
>> tight control by the software.

>> Look here for a modern card:
>> http://www.baycom.org/bayweb/tech/pciscc/pciindex.htm

>Cool!

>How do I get my 16 radio ports?

Use four boards.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

117. Reducing laptop computer RFI?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-19 00:13:15 UTC
From: tek_guy@hotmail.com
Message-ID: <cbf4a67d.0201181613.1ee47064@posting.google.com>
Source record: 7191
Cross-posted to: rec.radio.amateur.digital.misc,alt.ham-radio.vhf-uhf

I was setting up my laptop for the January VHF Sweepstakes, when I noticed that my shack computer produces a 'birdy' on 50.118 mHz. The computer is an older Pentium laptop, a Dell Latitude XPi with a PI 120 mHz chip in it.

I disconnected all the cables and ran it off the battery: the noise was still there, so it can't be AC line noise. It seems to be the CPU itself, because folding the monitor does little to quiet the noise. I put ferrite chokes on the rig's (a FT-840) power lines, but I didn't notice a difference. Would a balun on the coax help things? If so, what's the diameter it needs to be? I'm using RG-58 coax.

The computer is about a foot away from the rig. The power lines are routed seperately. I tried to move it, but the noise was still there. It only seems to make noise on 50.118, so I think I can live with it, but if there's anything to help the situation I'll do it, because it happens to be right in the DX window...

Thanks for any help in advance.

73s,

Jim
KG4NEL

118. Ham Radio University 2002 for Long Island

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-19 01:55:13 UTC
From: GSBARC <info@gsbarc.org>
Message-ID: <5m428.9140$8P3.2811222@news02.optonline.net>
Source record: 7192
Cross-posted to: rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.swap

Ham Radio University 2002/ARRL New York City-Long Island Section Convention

North Babylon, New York - On Sunday, January 20, 2002 at 8AM, the doors of the Babylon Town Hall Annex on Phelps Lane will open for the third annual Ham Radio University. Ham Radio University 2002 is a day of education about Amateur Radio.

This year the forums have been expanded and new forums have been added. There will be twenty, one-hour presentations with special forums geared to the non-ham as well as the experienced ham radio operator. The focus will be "hands on" with many demonstrations.

Come join us at the Babylon Town Hall Annex, Phelps Lane, North Babylon, Long Island, and learn about everything from satellite communications, low power operating using radios as small as a tuna tin, how to put up an emergency antenna, the latest information on advanced digital communications, finding and fixing radio frequency interference problems to purchasing your first station equipment or handi-talkie and a special "Ask the Experts" forum. There will also be a Special Event Station W2V set up and operational on HF. There will live SSTV pictures uploaded to the NLI WWW during the event.

TALK-IN W2GSB/r 146.685 -600 110.9 PL

HRU 2002 is sponsored by the Great South Bay ARC and is a cooperative effort between over twenty clubs and organizations in the New York City- Long Island area. It is also the American Radio Relay League, New York City-Long Island Section Convention. Besides the forums, there will be tables set up with information about the different groups, ham radio classes, exam session schedules, public service and other activities.

Join us for a day of fun and education for the whole family!
Admission is open to all - donation is $2 per person.
(complimentary refreshments available)

For more information contact:
Phil Lewis N2MUN, Chairman, n2mun@arrl.net or call 631-226-0698
George Tranos N2GA, ARRL NLI Section Manager, n2ga@arrl.org or call 631-286-7562

Additional information on the WWW at http://hudson.arrl.org/nli
NNNN

119. Re: Reducing laptop computer RFI?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-19 02:10:36 UTC
From: greg <greg@valkyrie.net>
Message-ID: <3c48d5a3_2@athena.netset.com>
Source record: 7193
Cross-posted to: rec.radio.amateur.digital.misc,alt.ham-radio.vhf-uhf

im not familar with laptops but look into "overclocking" the proc that
should move the birdie away from 50.118

be carful not to chage the speed to high i would say 150 mhz or less would
be safe

Greg N8TDL
-
-
KG4NEL <tek_guy@hotmail.com> wrote in message
news:cbf4a67d.0201181613.1ee47064@posting.google.com...
> I was setting up my laptop for the January VHF Sweepstakes, when I
> noticed that my shack computer produces a 'birdy' on 50.118 mHz. The
> computer is an older Pentium laptop, a Dell Latitude XPi with a PI 120
> mHz chip in it.
>
> I disconnected all the cables and ran it off the battery: the noise
> was still there, so it can't be AC line noise. It seems to be the CPU
> itself, because folding the monitor does little to quiet the noise. I
> put ferrite chokes on the rig's (a FT-840) power lines, but I didn't
> notice a difference. Would a balun on the coax help things? If so,
> what's the diameter it needs to be? I'm using RG-58 coax.
>
> The computer is about a foot away from the rig. The power lines are
> routed seperately. I tried to move it, but the noise was still there.
> It only seems to make noise on 50.118, so I think I can live with it,
> but if there's anything to help the situation I'll do it, because it
> happens to be right in the DX window...
>
> Thanks for any help in advance.
>
> 73s,
>
> Jim
> KG4NEL

Help fight mailbots with these in your tagline:
tosspam@aol.com abuse@aol.com abuse@yahoo.com abuse@hotmail.com
abuse@msn.com abuse@sprintmail.com abuse@earthlink.net uce@ftc.gov
abuse@info.cep.cniba-u.ac.jp webmaster@envy.nu

120. Re: Pactor and PSK31 without soundcard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-19 05:52:49 UTC
From: ebruchac@aol.compaq
Message-ID: <20020119005249.16781.00002283@mb-fm.aol.com>
Source record: 7194

FWIW--there are/were PCMCIA soundcards,made for laptops(w/out soundcards).....might be worth doing a search,either Google or Ebay.

Ed

Remove the,"paq" to email.

121. Re: LINUX

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-19 10:35:19 UTC
From: Terry Dawson <terry@animats.net>
Message-ID: <3C494BE7.5030308@animats.net>
Source record: 7195

Rob Morris wrote:

> Is there anywhere on the web I could go and find good software for LINUX/TNC
> use.

http://radio.linux.org.au/

> Also, I have a linux(debian) box that I have set up with ax25 kernel. It
> looks like im creating the devices ok, but I cannot connect anywhere? it
> also gives me a rose port not active when trying to use node..

Use the standard Debian Bug Tracking System for that one. I'm the package maintainer for the node for Debian, so report the problem and I'll take a look at it for you.

regards
Terry

122. TM-G707A - Kantronics KPC 3 Packet Question

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-19 13:34:27 UTC
From: Brian Haren <bharen@bellsouth.net>
Message-ID: <0ve28.14912$Y17.1039109@e3500-atl2.usenetserver.com>
Source record: 7196

All,

Hope someone with this same configuration can help. I've got a Kenwood TM-G707A and a Kantronics Kpc 3+ TNC that I'm trying to connect via the Kenwood's data port. So far, no luck. So, here's what I'm up against:

a. The TNC talks just fine to my computer via the serial port
b. No rx or tx between the TNC and radio
b. I know both the radio and TNC are good (both are new)
c. The connector cable was wired IAW the info from both the Kenwood and Kantronics manuals (this is by biggest suspect)

I would appreciate some info or advice from folks out there who have the same or similar setup. My biggest suspect is the cable, but I'm just not sure, so if anyone has built a cable for this application I'd sure like to copy yours!

Thanks in advance and 73!

Brian
W8BYH

123. Air Force HF Email (cheap)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-19 16:52:56 UTC
From: Bishop Bradley <bb@nile.org>
Message-ID: <Ivh28.25704$lg2.7407245@news1.elcjn1.sdca.home.com>
Source record: 7197

How to spend $325k for six HF email machines...

http://www.defense-aerospace.com/data/communiques/data/2001Jan8584/index.htm

Aren't Tax dollars wonderful!

124. Re: Air Force HF Email (cheap)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-19 18:38:23 UTC
From: "Bob Lewis (AA4PB)" <rlewis@staffnet.com>
Message-ID: <u4jf99k75ovb11@corp.supernews.com>
Source record: 7198

> How to spend $325k for six HF email machines...
>
Their requirements are just a bit more demanding than typical amateur
radio. The radios are expensive mil-spec as are the crypto equipment
and ruggedized lap tops. $55K per system really isn't too bad.

125. Re: Air Force HF Email (cheap)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-19 21:24:12 UTC
From: Bishop Bradley <bb@nile.org>
Message-ID: <0ul28.25803$lg2.7553450@news1.elcjn1.sdca.home.com>
Source record: 7199

The sad thing is, they already have a huge computer and
CRT's on AWACS. You'd think $325k would be better
spent on some software mods to the.

I suspect a radio isn't part of the deal, as they already
have three HF radios, and no room or antennas for more.

I think all they got was a laptop, a KV-7, and a suitcase.

"Bob Lewis (AA4PB)" wrote
>
> > How to spend $325k for six HF email machines...
> >
> Their requirements are just a bit more demanding than typical amateur
> radio. The radios are expensive mil-spec as are the crypto equipment
> and ruggedized lap tops. $55K per system really isn't too bad.

126. Re: Air Force HF Email (cheap)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-19 22:49:28 UTC
From: "Bob Lewis (AA4PB)" <rlewis@staffnet.com>
Message-ID: <u4ju046n1jpp99@corp.supernews.com>
Source record: 7200

> I think all they got was a laptop, a KV-7, and a suitcase.
>
Could be - I couldn't tell from the article. I know I checked into
some ruggedized laptops a couple of years ago and they were $12K each
for a basic model.

127. Re: APRS Path Question

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-20 00:51:46 UTC
From: hamish@cloud.net.au
Message-ID: <3c4a14a2$0$10904$afc38c87@news.optusnet.com.au>
Source record: 7201

D. Jacobs <dju@nospam.com> wrote:
> I forgot to point out that the TNC in built into the Kenwood radio
> itself. I guess the answer is that the SPACE character is vital for
> getting the full use out of APRS? If so, I'll poke at it more but it
> seemed pretty clear that the space was not available form the options
> menu on the radio. Maybe (hopefully) I just missed how to enter it.

On the D700, use a path like APRS,NOCALL. APRS is the callsign your
packets are sent to; in practice it doesn't matter much what that is,
and APRS is a pretty safe choice. After a comma, you list all of
the repeaters you want to use -- in this case, NOCALL.

Typically for local use you might use APRS,RELAY,WIDE or
APRS,WIDE2-2 or similar.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

128. Re: Air Force HF Email (cheap)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-20 02:06:57 UTC
From: John K Scoggin <aat3bf@conectiv.com>
Message-ID: <a2d8o002vf@enews1.newsguy.com>
Source record: 7202

The product involved is probably this Rockwell-Collins system:
http://www.rockwellcollins.com/ecat/gs/Flyaway_Briefcase.html?smenu=1

Considering the amount of development work involved (STANAG 5066
appears non-trivial to me) and the relatively small number of units that
will probably be sold, they probably aren't whacking Uncle Sam any worse
than usual. :-) What they got was a really sophisticated modem and
some pretty nice, easy-to-use software. I've seen the comparable
Harris product, which is really slick.

john

"Bob Lewis (AA4PB)" <rlewis@staffnet.com> wrote in message
news:u4ju046n1jpp99@corp.supernews.com...
> > I think all they got was a laptop, a KV-7, and a suitcase.
> >
> Could be - I couldn't tell from the article. I know I checked into
> some ruggedized laptops a couple of years ago and they were $12K each
> for a basic model.
>
>
>

129. Re: Air Force HF Email (cheap)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-20 12:22:17 UTC
From: lak <lak@radio.land.com>
Message-ID: <a2ecpj$9gu$1@news.chatlink.com>
Source record: 7203

Well, after working in the Defense industry here in the Midwest, ya'll should feel lucky that SBC technicians or autoworkers do not build them. The system would be at least 3 times that cost. (I worked for SBC where techs in the wireless side made more than me as a manager, in some case $70 to $80 K per year!)

Defense people do not make quite that money, at least that's what I have found out coming back from the Teleco Industry.

Besides there is a lot of development that goes into these military systems with contractal caps on the profits made. I just bought a KAM-98 and it was not exactly cheap, the other commerical units for Marine cost even more. These units are usually not Mil-Spec for rough use.

lak

"Bishop Bradley" <bb@nile.org> wrote in message
news:Ivh28.25704$Ig2.7407245@news1.elcjn1.sdca.home.com...
> How to spend $325k for six HF email machines...
>
>
http://www.defense-aerospace.com/data/communiques/data/2001Jan8584/index.htm
>
> Aren't Tax dollars wonderful!
>
>
>

130. Using 1 Antenna??

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-20 16:35:37 UTC
From: antony legg <antony.legg@ukonline.co.uk>
Message-ID: <tlC28.6895$K35.743973@news1.cableinet.net>
Source record: 7204

Hello.
I have just started using low power telemetry modules connected to basic stamps.
Im quite new to this but have a good knowledge of electronics.
My question is, as this system is two way i have to have 2 antennas, how would i go about using just 1 without using a relay?, mosfet??.
Obviously i cant just connect an input and output together TX,RX Can i?

Thanks in advance
Antony

131. Two antennas??

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-20 16:35:39 UTC
From: antony legg <antony.legg@ukonline.co.uk>
Message-ID: <vlC28.6897$K35.744183@news1.cableinet.net>
Source record: 7205

Can anyony tell me how to connect a TX,RX to the same antenna without using
a relay or any mechanical switch?
Thanks in advance. Antony

132. Re: Using 1 Antenna??

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-20 16:54:30 UTC
From: Bishop Bradley <bb@nile.org>
Message-ID: <aDC28.8481$rx6.697278@news2.east.cox.net>
Source record: 7206

Take a look at Pin Diode switching circuits.
Basically you short the receiver input during transmit.

Some radios even go so far as to shut down the
whole receiver (Icom brand) as well.

"antony legg" wrote
>
> I have just started using low power telemetry modules connected to basic
> stamps.
> Im quite new to this but have a good knowledge of electronics.
> My question is, as this system is two way i have to have 2 antennas, how
> would i go about using just 1 without using a relay?, mosfet??.
> Obviously i cant just connect an input and output together TX,RX Can i?

133. Qso Manager

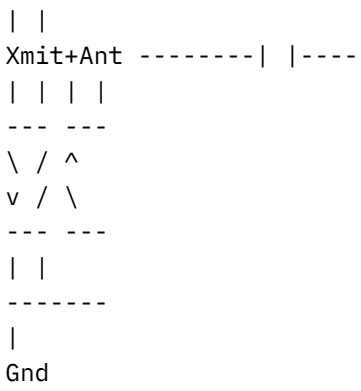
Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-20 18:36:22 UTC
From: Paolo Nossa <ik4clf@inwind.it>
Message-ID: <G6E28.4849$Rv3.265827@news2.tin.it>
Source record: 7207

www.qsl.net/ik4clf
HF QSO/QSL/Award managment, ADIF Import/Export, full version free to everybody.
Requires Access 97 or Access 2000 (with JPEG and TIFF filter installed), screen resolution 800x600/1024x768.
Includes: over 9500 logged QSO's for easy/quick testing of performance and 5 maps (Italy, Usa, Usa-Cal, Usa-Fla, Svalbard Is).
Full mapping (382 maps) available at Downloads page or free on request (CD-ROM).

134. Re: Two antennas??

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-20 18:59:57 UTC
From: xpyttl <xpyttl_nospam@earthling.net>
Message-ID: <u4m4uh9cem3n29@corp.supernews.com>
Source record: 7208

In QRP practice, a very simple diode TR switch is the practice. This doesn't keep all the transmitter energy from making it to the receiver, but keeps the level down to where it doesn't damage anything. Looks something like:



Well, OK, my inductor doesn't look so good but you get the idea. Usually the cap is variable so you can tune it to the operating frequency, but it's pretty non-critical so you can calculate and come close enough.

If you have a human listening to the receiver, you still need some sort of muting circuit so he doesn't get his eardrums blasted, but it sounds like you don't have that situation.

..

"antony legg" <antony.legg@ukonline.co.uk> wrote in message news:vlC28.6897$K35.744183@news1.cableinet.net...
> Can anyony tell me how to connect a TX,RX to the same antenna without using
> a relay or any mechanical switch?
> Thanks in advance. Antony
>
>

135. Re: TM-G707A - Kantronics KPC 3 Packet Question

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-20 20:56:31 UTC
From: perry chamberlain <kato@qnet.com>
Message-ID: <3C4B2EFF.17547D16@qnet.com>
Source record: 7209

check to se what your hardware ,software, control is set at try changing it
and see what happens

Brian Haren wrote:

> All,
>
> Hope someone with this same configuration can help. I've got a Kenwood
> TM-G707A and a Kantronics Kpc 3+ TNC that I'm trying to connect via the
> Kenwood's data port. So far, no luck. So, here's what I'm up against:
>
> a. The TNC talks just fine to my computer via the serial port
> b. No rx or tx between the TNC and radio
> b. I know both the radio and TNC are good (both are new)
> c. The connector cable was wired IAW the info from both the Kenwood and
> Kantronics manuals (this is by biggest suspect)
>
> I would appreciate some info or advice from folks out there who have the
> same or similar setup. My biggest suspect is the cable, but I'm just not
> sure, so if anyone has built a cable for this application I'd sure like to
> copy yours!
>
> Thanks in advance and 73!
>
> Brian
> W8BYH

--
Perry Chamberlain
Kato@qnet.com
Liv'n on de Edge n de Desert
Everyone has someone in their family who is crazy,
if you don't know who it is, its you!

136. Re: Pentium Laptop for swap

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-20 22:04:49 UTC
From: perry chamberlain <kato@qnet.com>
Message-ID: <3C4B3F01.32EB4CD2@qnet.com>
Source record: 7210

ill bid 100.00

JJ wrote:

> I have a pentium 75 laptop with nice bag for swap for ham related items...
> OFFERS????

--
Perry Chamberlain
Kato@qnet.com
Liv'n on de Edge n de Desert
Everyone has someone in their family who is crazy,
if you don't know who it is, its you!

137. Re: Wanted: PacComm Add-on Packet TNC for PacTor Controller

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-20 22:08:28 UTC
From: perry chamberlain <kato@qnet.com>
Message-ID: <3C4B3FDC.EF5CCD5F@qnet.com>
Source record: 7211
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

look on e-bay

Mike Pupeza wrote:

> Hi All;
> I am looking for the add-on TNC kit for the PacComm Pactor Controller.
> This unit was made in the early 90's and added packet capability to the HF
> Pactor Controller which already worked for Amtor and RTTY!
> Does anyone have one of these units sitting around?
> My Controller already has the faceplate and switch for this mod.
> PacComm, apparently, no longer support ANY of their Pactor products!
> TIA
> 73
> Mike VE3EQP.....>

--
Perry Chamberlain
Kato@qnet.com
Liv'n on de Edge n de Desert
Everyone has someone in their family who is crazy,
if you don't know who it is, its you!

138. Re: Need TNC software!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-20 22:10:02 UTC
From: perry chamberlain <kato@qnet.com>
Message-ID: <3C4B403A.77864907@qnet.com>
Source record: 7212

TAPR has tons of tnc packet software available for down
load free.
check out their web sit

A A 3 L T wrote:

> Hello:
>
> I am looking for the windows version of the MFJ-1289
> software. I really hate to purchase a new copy of the
> software so I am hoping someone would be kind enough
> to provide me with a copy. Thanks.
>
> 73,
> Walt.

--
Perry Chamberlain
Kato@qnet.com
Liv'n on de Edge n de Desert
Everyone has someone in their family who is crazy,
if you don't know who it is, its you!

139. Re: TM-D700A

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-20 22:15:07 UTC
From: perry chamberlain <kato@qnet.com>
Message-ID: <3C4B416B.E346E850@qnet.com>
Source record: 7213

use aprs+sa program available on the aprs web site.

"michael.kallstrom" wrote:

> Could someone suggest packet, APRS, etc. software for use with a Kenwood
> TM-D700A and a Sony laptop? Thanks for any help you offer to a new Ham (3
> months).
>
> Michael
> KG4NTZ

--
Perry Chamberlain
Kato@qnet.com
Liv'n on de Edge n de Desert
Everyone has someone in their family who is crazy,
if you don't know who it is, its you!

140. want timewave AEA dsp 2232

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-21 01:33:49 UTC
From: perry chamberlain <kato@qnet.com>
Message-ID: <3C4B6FFC.728C90B@qnet.com>
Source record: 7214

I am looking for a AEA
Timewave dsp 2232
please e-mail me at
Kato@qnet.com

Ke6anm
Perry Chamberlain
Kato@qnet.com
Liv'n on de Edge n de
Desert
Everyone has someone in
their family who is
crazy,
if you don't know who it
is, its you!

141. Re: 720A Help

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-21 11:42:35 UTC
From: Keith <user@spam.eat>
Message-ID: <K8T28.6396$CJ1.59202@rwcrnsc51.ops.asp.att.net>
Source record: 7215
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.misc

Tom and Joanna wrote:

>I recently aguired a IC720A, and I do not have a manual for it.

Check out http://www.w7fg.com if you get no offers. Yes it costs money,
but the manuals are excellent copies and in great condition.

--
Best Regards,

Keith
==========
My Home Page http://n6jpa.home.attbi.com/
The Reply-to Address of this post is valid.
Medical care is a human right, not a profit margin.
==========

142. Re: Reducing laptop computer RFI?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-21 12:31:37 UTC
From: Roger Conroy <rogerconroy@nospam.hotmail.com>
Message-ID: <a2h1p5$736$1@ctb-nnrp1.saix.net>
Source record: 7216
Cross-posted to: rec.radio.amateur.digital.misc,alt.ham-radio.vhf-uhf

changing the CPU freq probably won't do anything - on this type of pc its
the system bus that runs at 50mhz!

"greg" <greg@valkyrie.net> wrote in message
news:3c48d5a3_2@athena.netset.com...
> im not familar with laptops but look into "overclocking" the proc that
> should move the birdie away from 50.118
>
> be carful not to chage the speed to high i would say 150 mhz or less
would
> be safe
>
>
> Greg N8TDL
> -
> -
> KG4NEL <tek_guy@hotmail.com> wrote in message
> news:cbf4a67d.0201181613.1ee47064@posting.google.com...
> > I was setting up my laptop for the January VHF Sweepstakes, when I
> > noticed that my shack computer produces a 'birdy' on 50.118 mHz. The
> > computer is an older Pentium laptop, a Dell Latitude XPi with a PI 120
> > mHz chip in it.
> >
> > I disconnected all the cables and ran it off the battery: the noise
> > was still there, so it can't be AC line noise. It seems to be the CPU
> > itself, because folding the monitor does little to quiet the noise. I
> > put ferrite chokes on the rig's (a FT-840) power lines, but I didn't
> > notice a difference. Would a balun on the coax help things? If so,
> > what's the diameter it needs to be? I'm using RG-58 coax.
> >
> > The computer is about a foot away from the rig. The power lines are
> > routed seperately. I tried to move it, but the noise was still there.
> > It only seems to make noise on 50.118, so I think I can live with it,
> > but if there's anything to help the situation I'll do it, because it
> > happens to be right in the DX window...
> >
> > Thanks for any help in advance.
> >
> > 73s,
> >
> > Jim
> > KG4NEL
>

>
>
> Help fight mailbots with these in your tagline:
> tosspam@aol.com abuse@aol.com abuse@yahoo.com abuse@hotmail.com
> abuse@msn.com abuse@sprintmail.com abuse@earthlink.net uce@ftc.gov
> abuse@info.cep.cniba-u.ac.jp webmaster@envy.nu
>
>
>

143. Kenwood TM-D700A APRS Position Error?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-21 21:16:08 UTC
From: "D. Jacobs" <dju@nospam.com>
Message-ID: <j81p4ugft9ncpk4kj627cn6j2gqaop8s9m@4ax.com>
Source record: 7217

Hi,

My Kenwood TM-D700A has no GPS connected to it, but I entered my geo coordinates manually into the APRS->MY POSITION (3-4) menu location. After transmitting some APRS status messages onto the network, I go to the FINDU.COM query screen and the map position is *always* wrong. I haven't done a lot of experimenting yet but it seems as if the "seconds" field of my position setting is being ignored or interpreted differently than what I thought it was. I even fiddled with the coordinates type

I enter my position as DEGREES/MINUTES/SECONDS and the map location on FINDU.COM shows that I'm about a 1/4 mile away from where the pos is supposed to be. Then I go back and fiddle with the coords and take another look at the updated map and the position has NOT moved, even though I confirmed that a recent packet was received.

Does anybody know why this is happening? I suspect it doesn't happen when using a GPS unit connected to the radio.

Thanks,
Dave

144. Re: Kenwood TM-D700A APRS Position Error?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-21 22:18:55 UTC
From: Roger Barker <roger@peaksys.co.uk>
Message-ID: <q0U5ThBPPJT8EwmF@peaksys.co.uk>
Source record: 7218

In article <j81p4ugft9ncpk4kj627cn6j2gqaop8s9m@4ax.com>, D. Jacobs
<dju@nospam.com> writes
>Hi,
>
>My Kenwood TM-D700A has no GPS connected to it, but I entered my geo
>coordinates manually into the APRS->MY POSITION (3-4) menu location.
>After transmitting some APRS status messages onto the network, I go to
>the FINDU.COM query screen and the map position is *always* wrong. I
>haven't done a lot of experimenting yet but it seems as if the
>"seconds" field of my position setting is being ignored or interpreted
>differently than what I thought it was. I even fiddled with the
>coordinates type
>
>I enter my position as DEGREES/MINUTES/SECONDS and the map location on
>FINDU.COM shows that I'm about a 1/4 mile away from where the pos is
>supposed to be.

The position input on my D700 is degrees, minutes, decimal minutes - not
seconds.

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

145. Re: DR. KING DAY: AFFIRMATIVE ACTION NEEDED IN HAM RADIO!!!!!!!!!!!!!!!!!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-22 22:10:07 UTC
From: ub90 <ub90@com.com>
Message-ID: <a2knvv$v9$1@news.chatlink.com>
Source record: 7219

How about we go 1 step further, just eliminate licensing all together, that way no one has to be responsible for any thing at all. This way we could achieve unlimited numerical goals.

But back to the normal world, are you saying certain minorities are incapable of handling the testing structure as it stands? This in itself sounds racist by implying certain groups have the inability to achieve what other people have achieved.

After having been a Ham for over 30 years, I have met people of all races, creeds, etc. that managed to pass the amateur tests. Most passed it under the FCC back in the days before CW was one minute of copy plus multiple choice test, when one had to send as fast as they received to get their license as well. I also have yet to see anyone turned away from current exams because of all the above noted personal criteria.

As far as computers, cell phones etc. are concerned I pay my Universal Service Charge every month to insure the inter-city has its connectivity. I cannot get the services available to people in the inter-city (i.e. high speed internet or for that matter a landline that works right for more than 2 months) because there is not enough customers were I live. However, the minority section of my town is completely wired with fiber optic phone service and cable modems.

The reason people are not clamoring for Ham radio is that in today's society one can talk to Russia or wherever from their cell phone. The magic of communications is gone, no longer do you have to tune into a Short-wave Broadcast Station to hear the BBC, etc. it is all on the internet.

It is my opinion Martin Luther King's goals did not include a hobby as such as Ham radio. The man had "bigger fish to fry", plus he did not profit in the way his so called Disciples have, i.e. money, etc.

That's my opinion like it or not, beside take this junk to Ham Radio Misc newsgroup.

THOUGHFULLY YOURS,

UB90

"Crt4239" <crt4239@aol.com> wrote in message
news:20020121223636.22658.00002905@mb-mi.aol.com...
> In honor of Dr. Martin Luther King Day, I am reposting my brief honest
> editorial in his honor. Any THOUGHTFUL (yes, that means non-racist)
replies
> are certainly welcome.

> *******
> "Anyone who attends a ham club meeting would have to agree that certain
> minorities, especially, African Americans, are grossly underrepresented in
our
> hobby. I believe, and I think many of you will agree, that perhaps we
should
> remedy the effects of past discrimination by some sort of affirmative
action
> allowing underrepresented minorities a FAIR OPPORTUNITY to get their
tickets.
> Much has recently been reported in the last decade of growing "electronic
> divide" in the percentage of white versus black households having
computers and
> Internet access. You would all have to agree that this "electronic
divide" has
> ALWAYS been in the amateur radio hobby. This would be a perfect time in
our
> country's history, especially in light of the dwindling numbers of
potential
> hams lost to the computer hobbyists, to begin thinking about policies that
> might create real interest in our great hobby. My ideas of remedies for
past
> discrimination include DROPPING THE CODE REQUIREMENT FOR MINORITY
APPLICANTS
> and possibly WAIVING SOME SECTIONS OF THE EXAMS. Such remedies are a way
to
> ensure an integrated society of amateurs and allow equal opportunity.
Numerical
> goals for admission to our great hobby is necessary to integrate a hobby
> traditionally closed to minorities because of discrimination. At a time
when
> our hobby needs a shot in the arm, these kind of policies might help in
> increasing our numbers and preserving our power to demand that no more of
our
> frequencies be taken away. Any THOUGHTFUL replies are welcomed."
>

146. Re: DR. KING DAY: AFFIRMATIVE ACTION NEEDED IN HAM RADIO

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-22 22:46:06 UTC
From: Bishop Bradley <bb@nile.org>
Message-ID: <OYI38.103$jv2.35103@news2.east.cox.net>
Source record: 7220

Dr. King never heard of affirmative action, and would
have not recognized the American Negro today.

What Dr. King fought and died for was "equality"
and not "gimme, gimme, gimme."

147. Re: DR. KING DAY: AFFIRMATIVE ACTION NEEDED IN HAM RADIO!!!!!!!!!!!!!!!!!!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-23 00:23:06 UTC
From: "Jim Shaffer, Jr." <jmshaffer@alltel.net>
Message-ID: <ih0s4us0e491lauo5q2p0aigbkh7m6hdbr@4ax.com>
Source record: 7221

Affirmative action is a load of garbage.

No, I'm not a racist. I am, however, extremely biased against stupid people.

As for dropping the code test, drop it for everyone.

148. Re: DR. KING DAY: AFFIRMATIVE ACTION NEEDED IN HAM RADIO!!!!!!!!!!!!!!!!!!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-23 01:00:08 UTC
From: wa8ulx@aol.com
Message-ID: <20020122200008.01808.00001884@mb-fo.aol.com>
Source record: 7222

>As for dropping the code test, drop it for everyone.
>

Yea you got it, and when they do drop it lets dump that stupid written test to.

149. soundcard /digipaan problem

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-23 04:46:54 UTC
From: "neil.barrowman" <neil.barrowman@ntlworld.com>
Message-ID: <JDC38.9918$ka7.1567138@news6-win.server.ntlworld.com>
Source record: 7226

check that 4speaker option on windows audio tray NOTenabled--also check which MUTESare selected .check which input to card being used- is it enabled? good luck 73 gm0ltq

150. Re: Sound card (Digipan, etc.) broken after install of TV tuner card

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-23 04:47:18 UTC
From: "neil.barrowman" <neil.barrowman@ntlworld.com>
Message-ID: <6EC38.9919$ka7.1567105@news6-win.server.ntlworld.com>
Source record: 7227

suggestnyou check your windows audio control tray check it is NOT ENABLING
4 SPEAKER SET UP ihad similar problem that was what was wrong check what
inputs are muted and which are enabled check which input you are using on
card good luck neil scotland
<vtail@hotmail.com> wrote in message news:3c46e16c.3620184@news.netis.com...
>
> I installed Digipan and a few other sound card programs for PSK31,
> RTTY, MT63, etc., and everything worked fine. Then I installed an STB
> TV tuner card and Hauppauge WinTV program, which also works fine ...
> except that now all of my digital comm programs (Digipan and the
> others) are broken ... they can't access the sound card.
>
> I uninstalled all of the digital-mode programs I had installed, and
> re-installed Digipan, but no luck.
>
> I haven't yet tried uninstalling the TV tuner and removing the card.
> Before I do that, I wanted to check in here and ask ... Has anyone
> else tried using this combination or anything like it, and have you
> had the same problems and found solutions?
>
> Thanks...
>
> Rick WA1RKT
>

151. Re: DR. KING DAY: AFFIRMATIVE ACTION NEEDED IN HAM RADIO!!!!!!!!!!!!!!!!!!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-23 07:04:15 UTC
From: Bishop Bradley <bb@nile.org>
Message-ID: <Pft38.762$jv2.94769@news2.east.cox.net>
Source record: 7223

And then get rid of transmitters. Americans shouldn't
have tobacco, freon, or transmitters.

"WA8ULX" <wa8ulx@aol.com> wrote
> >As for dropping the code test, drop it for everyone.
> >
>
> Yea you got it, and when they do drop it lets dump that stupid written
test to.

152. Re: Reducing laptop computer RFI?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-23 12:03:39 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna4t9kr.eqj.nomail@linux.pe1chl.ampr.org>
Source record: 7224
Cross-posted to: rec.radio.amateur.digital.misc,alt.ham-radio.vhf-uhf

Roger Conroy <rogerconroy@nospam.hotmail.com> wrote:
>changing the CPU freq probably won't do anything - on this type of pc its
>the system bus that runs at 50mhz!

Maybe change the crystal osc for one that puts the birdy outside of the
amateur band?

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

153. Re: Reducing laptop computer RFI?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-23 14:27:56 UTC
From: Tom Twist <tom@twist.no>
Message-ID: <03it4us1b0hl46qtbgtgc6u9d7502s2qrv@4ax.com>
Source record: 7225
Cross-posted to: rec.radio.amateur.digital.misc,alt.ham-radio.vhf-uhf

On 23 Jan 2002 12:03:39 GMT, nomail@pe1chl.ampr.org (Rob Janssen)
wrote:

>Roger Conroy <rogerconroy@nospam.hotmail.com> wrote:
>>changing the CPU freq probably won't do anything - on this type of pc its
>>the system bus that runs at 50mhz!
>
>Maybe change the crystal osc for one that puts the birdy outside of the
>amateur band?

Many modern BIOSes have an option called "Spread Spectrum".
Applying that option will spread the clock noise over a larger
bandwidth.

73, Tom

Email: tom@twist.no (ttwist@online.no, lb8x@qsl.net)
Phone: +47 35972928/90662366, Ham call sign: LB8X Locator: JO49UA
Snail: Tom Twist, Kirkeveien 8A, N3970 Langesund, Norway

154. Re: Reducing laptop computer RFI?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-23 19:41:43 UTC
From: Roger Conroy <rogerconroy@nospam.hotmail.com>
Message-ID: <a2n3rs$f2i$1@ctb-nnrp2.saix.net>
Source record: 7228
Cross-posted to: rec.radio.amateur.digital.misc,alt.ham-radio.vhf-uhf

Good idea - BUT... this is not a new up to date pc we're discussing. and the trouble with changing the bus clock crystal -(if it has one) is that so many components depend on that timing that the entire system will most probably grind to a halt.

Is it possible to coat the entire case of the laptop in a conductive film of some sort? - to shield it - the trouble seems to really be that most laptops - unlike desktops have plastic rather than metal cases.

"Tom Twist" <tom@twist.no> wrote in message
news:03it4us1b0hl46qtbgtgc6u9d7502s2qrv@4ax.com...
> On 23 Jan 2002 12:03:39 GMT, nomail@pe1chl.ampr.org (Rob Janssen)
> wrote:
>
> >Roger Conroy <rogerconroy@nospam.hotmail.com> wrote:
> >>changing the CPU freq probably won't do anything - on this type of pc
its
> >>the system bus that runs at 50mhz!
> >
> >Maybe change the crystal osc for one that puts the birdy outside of the
> >amateur band?
>
> Many modern BIOSes have an option called "Spread Spectrum".
> Applying that option will spread the clock noise over a larger
> bandwidth.
>
> 73, Tom
> ---
> Email: tom@twist.no (ttwist@online.no, lb8x@qsl.net)
> Phone: +47 35972928/90662366, Ham call sign: LB8X Locator: JO49UA
> Snail: Tom Twist, Kirkeveien 8A, N3970 Langesund, Norway

155. Re: Reducing laptop computer RFI?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-23 20:53:21 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna4u8m1.ggi.nomail@linux.pe1chl.ampr.org>
Source record: 7229
Cross-posted to: rec.radio.amateur.digital.misc,alt.ham-radio.vhf-uhf

Roger Conroy <rogerconroy@nospam.hotmail.com> wrote:
>Good idea - BUT... this is not a new up to date pc we're discussing. and the
>trouble with changing the bus clock crystal -(if it has one) is that so many
>components depend on that timing that the entire system will most probably
>grind to a halt.

I doubt that anything will grind to a halt when you change the clock by
half a percent or so, but I have not tried it.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

156. Internet linking primer anyone?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-23 21:12:00 UTC
From: Martin Peters <martin.peters@ntlworld.com>
Message-ID: <THF38.11199$ka7.1770073@news6-win.server.ntlworld.com>
Source record: 7230

Done various Google searches for this no avail. Quite interested in trying to access some far away repeater via one of the local ones but require two pieces in info. Which of my local repeaters has this facility and what are the four digit DTMF codes for the distant sites.

Any pointers appreciated.

Martin

157. Re: Reducing laptop computer RFI?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-23 21:33:34 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0201232133450.1302-100000@exp.bde-arc.ampr.org>
Source record: 7231
Cross-posted to: rec.radio.amateur.digital.misc,alt.ham-radio.vhf-uhf

How about turning the laptop OFF when operating on 6m?

158. Re: Internet linking primer anyone?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-24 01:14:31 UTC
From: bla@bla.com.au
Message-ID: <1011835012.390022@karri.southwest.com.au>
Source record: 7232

In article <THF38.11199$ka7.1770073@news6-win.server.ntlworld.com>, "Martin Peters"
<martin.peters@ntlworld.com> wrote:
>Done various Google searches for this no avail. Quite interested in trying
>to access some far away repeater via one of the local ones but require two
>pieces in info. Which of my local repeaters has this facility and what are
>the four digit DTMF codes for the distant sites.
>
>Any pointers appreciated.
>
>Martin
>
>
Hi Martin, Are you refering to IRLP (Internet Radio Linking Project)?
This URL is the stats page, it will give you the Three digit code for the
node, then add 0 to turn on or 1 to turn off. Please read the information page
before using IRLP.
Cheers

159. Re: Internet linking primer anyone?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-24 01:15:53 UTC
From: bla@bla.com.au
Message-ID: <1011835094.830522@karri.southwest.com.au>
Source record: 7233

In article <1011835012.390022@karri.southwest.com.au>, bla@bla.com.au wrote:
>In article <THF38.11199$ka7.1770073@news6-win.server.ntlworld.com>, "Martin
> Peters" <martin.peters@ntlworld.com> wrote:
>>Done various Google searches for this no avail. Quite interested in trying
>>to access some far away repeater via one of the local ones but require two
>>pieces in info. Which of my local repeaters has this facility and what are
>>the four digit DTMF codes for the distant sites.
>>
>>Any pointers appreciated.
>>
>>Martin
>>
>>
>Hi Martin, Are you refering to IRLP (Internet Radio Linking Project)?
>This URL is the stats page, it will give you the Three digit code for the
>node, then add 0 to turn on or 1 to turn off. Please read the information page
>before using IRLP.
>Cheers
MMMM better give the URL :)
http://status.irlp.net/static.html
cheers

160. Need help with APRS tracking of motorcycle

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-24 02:50:34 UTC
From: Jeff Kelly <jkelly@bellatlantic.net>
Message-ID: <_DK38.22693$hp6.1274@nwrddc01.gnilink.net>
Source record: 7234

I plan to take an extended vacation in Colorado this summer and
would like to install a APRS system on my motorcycle so that hams
in New Jersey and family could track my movements. Is this possible
to do?

Any info/links on this subject would be appreciated.

Thanks,

Jeff Kelly
KT2K

161. Re: Need help with APRS tracking of motorcycle

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-24 02:57:57 UTC
From: Todd Bruner <ttwb@worldnet.att.net>
Message-ID: <3C4F31C3.MD-1.4.4.ttwb@worldnet.att.net>
Source record: 7235

> I plan to take an extended vacation in Colorado this summer and
> would like to install a APRS system on my motorcycle so that hams
> in New Jersey and family could track my movements. Is this possible
> to do?
>
> Any info/links on this subject would be appreciated.
>
> Thanks,
>
> Jeff Kelly
> KT2K
>
>
Yes this is possible to do.
There are much more knowledgable than, but....
For others to track you - non hams- www.findu.com is one source
For you to get there:
GPS receiver + APRSand TNC(packet) + ham rig
As these are really general topics, your next step (2x1 callsign)
would be to identify which of the three components do you have?
Latest issue of QST has some stuff great for motorcycle.
Respectfully,
TTWB

162. HELP PSK/ICOM IC-751

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-24 15:37:56 UTC
From: Al Cristaldi <megaman@cybernet1.com>
Message-ID: <a2p9o802l3@enews1.newsguy.com>
Source record: 7236

Seeking any assistance on wiring up PSK to my Icom IC-751. Understand it can be done with two wires utilizing the VOX instead of the three which requires the serial port for PTT. Is it possible to send the signal (out) from the sound card into the back of the rig or must I use the eight pin mic connector to the front of the rig?

Thanks.

--
Al Cristaldi
kk7gv@arrl.net

163. SOUNDCARD SOFTWARES AND INTERFACES

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-24 21:08:19 UTC
From: Dave <g3vfp@blueyonder.co.uk>
Message-ID: <7J_38.1096$wF1.87249@news1.cableinet.net>
Source record: 7237

Hi guys.

Just a reminder that I carry most if not all PSK, RTTY, MFSK, SSTV etc etc software's on my site. The page is regularly updated too. I also promote my range of soundcard isolated interfaces there too. So if you are looking for something please go take a nosey :-).

http://www.g3vfp.com

Best Regards,

Dave G3VFP.

164. Re: TM-G707A - Kantronics KPC 3 Packet Question

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-24 21:19:15 UTC
From: Bob Miles <rmiles@zetnet.co.uk>
Message-ID: <45tp2a.8g1.ln@192.168.1.1>
Source record: 7238

Usual errors are to get the plug view back to front..
Or to confuse RX and TX audio..
Read the small print.. carefully..

Regards
Bob

"Brian Haren" <bharen@bellsouth.net> wrote in message
news:0ve28.14912$Y17.1039109@e3500-atl2.usenetserver.com...
> All,
>
> Hope someone with this same configuration can help. I've got a Kenwood
> TM-G707A and a Kantronics Kpc 3+ TNC that I'm trying to connect via the
> Kenwood's data port. So far, no luck. So, here's what I'm up against:
>
> a. The TNC talks just fine to my computer via the serial port
> b. No rx or tx between the TNC and radio
> b. I know both the radio and TNC are good (both are new)
> c. The connector cable was wired IAW the info from both the Kenwood and
> Kantronics manuals (this is by biggest suspect)
>
> I would appreciate some info or advice from folks out there who have the
> same or similar setup. My biggest suspect is the cable, but I'm just not
> sure, so if anyone has built a cable for this application I'd sure like to
> copy yours!
>
> Thanks in advance and 73!
>
> Brian
> W8BYH
>
>
>
>
>
>
>

165. Re: DR. KING DAY: AFFIRMATIVE ACTION NEEDED IN HAM RADIO!!!!!!!!!!!!!!!!!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-25 11:39:42 UTC
From: Brian Haren <bharen@bellsouth.net>
Message-ID: <wgb48.82746$Ee7.5467585@e3500-atl1.usenetserver.com>
Source record: 7239

That's funny. I've served in the Army with plenty of African Americans. None of them seemed to have trouble making the morse code requirement for their particular signal specialty (and some, who were morse intercept specialists, had to copy up to 20 wpm). Sorry, your argument doesn't hold up in the light of day.

Brian
W8BYH

"Crt4239" <crt4239@aol.com> wrote in message news:20020121223636.22658.00002905@mb-mi.aol.com...
> In honor of Dr. Martin Luther King Day, I am reposting my brief honest
> editorial in his honor. Any THOUGHTFUL (yes, that means non-racist) replies
> are certainly welcome.
> *******
> "Anyone who attends a ham club meeting would have to agree that certain
> minorities, especially, African Americans, are grossly underrepresented in our
> hobby. I believe, and I think many of you will agree, that perhaps we should
> remedy the effects of past discrimination by some sort of affirmative action
> allowing underrepresented minorities a FAIR OPPORTUNITY to get their tickets.
> Much has recently been reported in the last decade of growing "electronic
> divide" in the percentage of white versus black households having computers and
> Internet access. You would all have to agree that this "electronic divide" has
> ALWAYS been in the amateur radio hobby. This would be a perfect time in our
> country's history, especially in light of the dwindling numbers of potential
> hams lost to the computer hobbyists, to begin thinking about policies that
> might create real interest in our great hobby. My ideas of remedies for past
> discrimination include DROPPING THE CODE REQUIREMENT FOR MINORITY APPLICANTS
> and possibly WAIVING SOME SECTIONS OF THE EXAMS. Such remedies are a way to
> ensure an integrated society of amateurs and allow equal opportunity. Numerical

> goals for admission to our great hobby is necessary to integrate a hobby
> traditionally closed to minorities because of discrimination. At a time
when
> our hobby needs a shot in the arm, these kind of policies might help in
> increasing our numbers and preserving our power to demand that no more of
our
> frequencies be taken away. Any THOUGHTFUL replies are welcomed."
>

166. 56K packet equipment

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-26 03:25:21 UTC
From: ZZZjim_cronin@juno.comZZZ
Message-ID: <0d845u88792s98e2ubc3g4b5jrsgvvnpap@4ax.com>
Source record: 7240
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.swap

For sale: Paccomm 56K WA4DSY "GRAPES" modem + cable
for PI/2 card. In excellent condition. $275 shipped to lower 48
states.

Also Microwave Modules 10 meter to 222 transverter used with above
items + cables. In excellent condition. Includes extra crystal for
use on 218-219 MHz fixed link band segment. $150 shipped with
purchase of GRAPES modem; will not sell separately until modem is
sold.

Call Jim at 716-381-3102 (evenings before 9 PM) or 716-231-2417 (work)
or email to ZZZjim_cronin@juno.comZZZ
(remove ZZZ on front and back to reply.)

73,
Jim
N2VNO

167. APRS & Privacy

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-26 07:52:03 UTC
From: Bruce Lane <spammers@buzz.off>
Message-ID: <MPG.16bbffff9fca5adc989796@news.drizzle.com>
Source record: 7241

Just a thought that's been kicking 'round my gray matter...

APRS can give the exact GPS-measured position of anyone who cares
to hook up their GPS receiver, TNC, and transceiver. Base or mobile, it
matters not. All is revealed in a few squirts of data, in real time.

Has anyone given any thought to the potential for abuse of this
data, or the APRS system in general? If so, how did such thoughts change
the way you work with APRS? (assuming you made any sort of change).

Curious...

73 de KC7GR

--
Bruce Lane, Owner and Head Hardware Heavy,
Blue Feather Technologies -- http://www.bluefeathertech.com
Amateur Radio: KC7GR (Formerly WD6EOS) since 12-77.
kyrrin (a/t) bluefeathertech dot-com (Reassemble to use)
"I'll get a life when someone demonstrates to me it would be superior to
what I have now..." (Taki Kogoma)

168. Re: APRS & Privacy

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-26 09:22:40 UTC
From: Roger Barker <roger@peaksys.co.uk>
Message-ID: <lqoaU2AgVnU8Ew$6@peaksys.co.uk>
Source record: 7242

In article <MPG.16bbffff9fca5adc989796@news.drizzle.com>, Bruce Lane
<spammers@buzz.off> writes
> Just a thought that's been kicking 'round my gray matter...
>
> APRS can give the exact GPS-measured position of anyone who cares
>to hook up their GPS receiver, TNC, and transceiver. Base or mobile, it
>matters not. All is revealed in a few squirts of data, in real time.
>
> Has anyone given any thought to the potential for abuse of this
>data, or the APRS system in general? If so, how did such thoughts change
>the way you work with APRS? (assuming you made any sort of change).

> 73 de KC7GR

As a ham in the USA, anyone seeing your callsign can find your exact
location (assuming you haven't moved house recently) in a few seconds.

So what difference does it make if you send it in an APRS beacon?

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

169. Re: APRS & Privacy

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-26 09:50:45 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna54uvl.4hl.nomail@linux.pe1chl.ampr.org>
Source record: 7243

Bruce Lane <spammers@buzz.off> wrote:
> Just a thought that's been kicking 'round my gray matter...

> APRS can give the exact GPS-measured position of anyone who cares
>to hook up their GPS receiver, TNC, and transceiver. Base or mobile, it
>matters not. All is revealed in a few squirts of data, in real time.

> Has anyone given any thought to the potential for abuse of this
>data, or the APRS system in general? If so, how did such thoughts change
>the way you work with APRS? (assuming you made any sort of change).

It is the decision of the APRS transmitting user to provide this
information to the public. If you believe your privacy may be hurt, or
your position data abused, just don't use APRS.

On the other hand, it could be that you are easily located after some
accident, or you could locate your car after it has been stolen.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

170. Re: APRS & Privacy

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-26 13:31:09 UTC
From: Todd Bruner <ttwb@worldnet.att.net>
Message-ID: <3C526929.MD-1.4.4.ttwb@worldnet.att.net>
Source record: 7244

> In article <MPG.16bbffff9fca5adc989796@news.drizzle.com>, Bruce Lane
> <spammers@buzz.off> writes
> > Just a thought that's been kicking 'round my gray matter...
> >
> > APRS can give the exact GPS-measured position of anyone who cares
> >to hook up their GPS receiver, TNC, and transceiver. Base or mobile, it
> >matters not. All is revealed in a few squirts of data, in real time.
> >
> > Has anyone given any thought to the potential for abuse of this
> >data, or the APRS system in general? If so, how did such thoughts change
> >the way you work with APRS? (assuming you made any sort of change).
>
> > 73 de KC7GR
>
> As a ham in the USA, anyone seeing your callsign can find your exact
> location (assuming you haven't moved house recently) in a few seconds.
>
> So what difference does it make if you send it in an APRS beacon?
>
> --
> Roger Barker, G4IDE - roger@peaksys.co.uk
> For UI-View go to - http://www.UI-View.com
> For WinPack go to - http://www.peaksys.co.uk
I considered the privacy issue as well, but considered what the
overall intent of Ham Radio and how open it is, I am not concerned.
In Hamming I don't have an expectation of privacy.
In the use of my phone I do have an expectation. (again expectation).
E-mails I have less of an expectation.

But APRS I find it interesting that my position course and speed is
given out - and that is many times above the speed limit!

I enjoy seeing who may be near by, to see if I can raise them on
simplex.
I guess I am just used to giving out my QTH in most all of my
transmissions.

Big Brother is watching, but I think he is bored with most hams!
Respectfully,
Todd

171. Re: APRS & Privacy

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-26 13:43:31 UTC
From: Roger Barker <roger@peaksys.co.uk>
Message-ID: <$WAcbgADKrU8EweV@peaksys.co.uk>
Source record: 7245

In article <3C526929.MD-1.4.4.ttwb@worldnet.att.net>, Todd Bruner
<ttwb@worldnet.att.net> writes
[snip]
>But APRS I find it interesting that my position course and speed is
>given out - and that is many times above the speed limit!

No, your position, course and speed aren't "given out", you *choose* to
give them out!

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

172. FT-847 and CAT

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-27 00:32:24 UTC
From: Scott <ve3hsc@hotmail.com>
Message-ID: <u7i65u0ml2f46u6360gr05an0dc5ihn20h@4ax.com>
Source record: 7246

I am looking for a quick basic program that accesses
the CAT port of the FT-847 radio.

173. Re: want timewave AEA dsp 2232

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-27 02:13:31 UTC
From: "Dana H. Myers" <dana@dioxine.com>
Message-ID: <3C53624E.8040807@dioxine.com>
Source record: 7247

Look on e-bay.

perry chamberlain wrote:

> I am looking for a AEA
> Timewave dsp 2232
> please e-mail me at
> Kato@qnet.com
>
>
> Ke6anm
> Perry Chamberlain
> Kato@qnet.com
> Liv'n on de Edge n de
> Desert
> Everyone has someone in
> their family who is
> crazy,
> if you don't know who it
> is, its you!
>
>
>

174. Re: 56K packet equipment

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-27 15:28:11 UTC
From: Bishop Bradley <bb@nile.org>
Message-ID: <f0V48.3773$Qg2.228980@news1.east.cox.net>
Source record: 7248
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.swap

I'll give you five bucks, you pay shipping.

jim_cronin@juno.com wrote
>
> For sale: Paccomm 56K WA4DSY "GRAPES" modem + cable
> for PI/2 card. In excellent condition. $275 shipped to lower 48
> states.
>
> Also Microwave Modules 10 meter to 222 transverter used with above
> items + cables. In excellent condition. Includes extra crystal for
> use on 218-219 MHz fixed link band segment. $150 shipped with
> purchase of GRAPES modem; will not sell separately until modem is
> sold.
>
> Call Jim at 716-381-3102 (evenings before 9 PM) or 716-231-2417 (work)
> or email to jim_cronin@juno.com
>
> 73,
> Jim
> N2VNO

175. Re: APRS & Privacy

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-27 15:31:23 UTC
From: Bishop Bradley <bb@nile.org>
Message-ID: <f3V48.3787$Qg2.227636@news1.east.cox.net>
Source record: 7249

If you go to the mall, you could be kidnapped. So
don't go to the mall.

If you ride your bike, you could be hit by a car, so
don't ride your bike.

"Bruce Lane" <spammers@buzz.off> wrote
>
> Just a thought that's been kicking 'round my gray matter...
>
> APRS can give the exact GPS-measured position of anyone who cares
> to hook up their GPS receiver, TNC, and transceiver. Base or mobile, it
> matters not. All is revealed in a few squirts of data, in real time.
>
> Has anyone given any thought to the potential for abuse of this
> data, or the APRS system in general? If so, how did such thoughts change
> the way you work with APRS? (assuming you made any sort of change).

176. WTB: Hal ST-6 Modem

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-27 15:52:42 UTC
From: Jim Andrew <jim.andrew@worldnet.att.net>
Message-ID: <enV48.5213$mU4.333427@bgtnsc06-news.ops.worldnet.att.net>
Source record: 7250

Hi,

I'm looking for a good condition, working HAL ST-6 modem to interrface with Model 15 TTY. (I'm working backwards from Soundcard toward smoke signals these days!)

Please advise details and price you are asking.

Thanks,

Jim Andrew
K5UI
jimandrew@att.net

177. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-27 16:20:06 UTC
From: "J. Duffy Beischel" <duffyb01@fuse.net>
Message-ID: <1104_1012148406@news.fuse.net>
Source record: 7051
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

On 18 Jan 2002 19:37:51 GMT, nomail@pe1chl.ampr.org (Rob Janssen) wrote:
>
> I think it really is too late to start developing a new device from
> scratch. Packet radio is mostly gone and will not return. What packet
> radio users call "high speed" is called "slow" by wireless LAN standards.

> Rob
> --
> +--------------------------------+--------------------------------------+
> | Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
> | AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
> +--------------------------------+--------------------------------------+

Interesting comment. Rob, I guess you are not aware of the explosion of packet activity with APRS, PCsat, ISS, etc. Packet is not dead - there are just new, different, and more suitable uses for that mode.

Duffy

J. Duffy Beischel - Amateur Radio WB8NUT

Member of: ARRL, NRA, Kiwanis, Republican Party, Masons, and Shriners
and the vast Right Wing conspiracy to get the Clintons

"If the government owned all the guns, would we still be a free people?"
---

178. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-27 17:57:41 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna58fsl.nnm.nomail@linux.pe1chl.ampr.org>
Source record: 7052
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

J. Duffy Beischel <duffyb01@fuse.net> wrote:
>On 18 Jan 2002 19:37:51 GMT, nomail@pe1chl.ampr.org (Rob Janssen) wrote:
>>
>> I think it really is too late to start developing a new device from
>> scratch. Packet radio is mostly gone and will not return. What packet
>> radio users call "high speed" is called "slow" by wireless LAN standards.

>> Rob
>> --
>> +--------------------------------+--------------------------------------+
>> | Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
>> | AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
>> +--------------------------------+--------------------------------------+

>Interesting comment. Rob, I guess you are not aware of the explosion of packet activity
>with APRS, PCsat, ISS, etc. Packet is not dead - there are just new, different, and more
>suitable uses for that mode.

Those are not modes that need a new TNC design. A new TNC would be
required to get packet radio on par with wireless networking in the real
world.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

179. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-27 18:35:30 UTC
From: lucifer@eternal-flames.gov
Message-ID: <3c544400.1182043@news.btinternet.com>
Source record: 7053
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

On Sun, 27 Jan 2002 16:20:06 GMT, J. Duffy Beischel
<duffyb01@fuse.net> wrote:

>Interesting comment. Rob, I guess you are not aware of the explosion of packet activity
>with APRS, PCsat, ISS, etc. Packet is not dead - there are just new, different, and more
>suitable uses for that mode.

That me be what it's like your side of the pond, but this side (at
least in the UK bit of Europe), packet is in rapid decline.

Nick.

180. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-27 19:38:47 UTC
From: "Carl R. Stevenson" <wa6vse-shack@fast.net>
Message-ID: <3c545793_1@news7.fast.net>
Source record: 7054
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

```
-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

"J. Duffy Beischel" <duffyb01@fuse.net> wrote in message
news:1104_1012148406@news.fuse.net...
> On 18 Jan 2002 19:37:51 GMT, nomail@pe1chl.ampr.org (Rob Janssen)
wrote:
> >
> > I think it really is too late to start developing a new device
from
> > scratch. Packet radio is mostly gone and will not return. What
packet
> > radio users call "high speed" is called "slow" by wireless LAN
standards.
>
> > Rob
> > --
> >
+--------------------------------+-----------------------------------
- -+
> > | Rob Janssen pe1chl@amsat.org | WWW:
http://www.xs4all.nl/~pe1chl/ |
> > | AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS:
PE1CHL@PI8ZAA.#NBO.NLD.EU |
> >
+--------------------------------+-----------------------------------
- -+
>
> Interesting comment. Rob, I guess you are not aware of the
explosion of packet activity
> with APRS, PCsat, ISS, etc. Packet is not dead - there are just
new, different, and more
> suitable uses for that mode.
>
> Duffy

*I* interpreted his comment as something along the lines of "Why
would one want to develop, from scratch, a dedicated ("TNC") type
of device when amateur packet radio (as it was known in the past,
using "TNCs") has become so antequated and irrelevant in comparison
to current industry practice in wireless LANs?"

If I've gotten his sentiment correct, I agree ... the most sensible
development for today's world would be radio modems for the
```

amateur bands, using modern modulation and coding techniques,
DSP, and the power of PCs (could we be talking software-defined
radio here?) ... such devices would provide the interface between
the PC and the antenna without need for tying up an expensive
transceiver, would be inexpensive, would provide MUCH higher
performance than any packet radio TNC now available, would
to a large extent be reconfigurable to operate new modes as they
are developed, and would use the software stack and applications
(mail clients, browsers, etc.) already provided with virtually every
PC that ships.

Why would someone want to waste their time designing a new
"TNC" ???

73,
Carl - wa6vse

-----BEGIN PGP SIGNATURE-----
Version: PGP for Personal Privacy 5.5.3

iQA/AwUBPFRXQJe+N6+q84HiEQLbWgCgmmrIgGl+1PAjPhsnGaLfCVF0eF0AoMWs
PLUjvNvnIMxMsRFOs0+tebPc
=XYEx
-----END PGP SIGNATURE-----

181. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-28 02:08:24 UTC
From: Bishop Bradley <bb@nile.org>
Message-ID: <so258.4700$Qg2.281980@news1.east.cox.net>
Source record: 7055
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

The only thing I would like to see, is a good implementation
of a 4800 baud modulator/demodulator. Something that
could be driven by TTL, RS-232, or even USB.

I think something that could fit inside of the radio, and easily
interfaced to a small computer, would drive thousands of
people off of 1200 baud.

4800 is a pretty neat speed for police and fire mobile computers,
and the chips used are cheap and available. I would think a
small PIC based board would improve APRS type beacons
to a system that could actually provide information along with
digital (vocoder) voice.

"Carl R. Stevenson" <wa6vse-shack@fast.net> wrote
>
> Why would someone want to waste their time designing a new
> "TNC" ???

182. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-28 09:00:36 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna5a4pk.ogb.nomail@linux.pe1chl.ampr.org>
Source record: 7056
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

Bishop Bradley <bb@nile.org> wrote:
>The only thing I would like to see, is a good implementation
>of a 4800 baud modulator/demodulator. Something that
>could be driven by TTL, RS-232, or even USB.

>I think something that could fit inside of the radio, and easily
>interfaced to a small computer, would drive thousands of
>people off of 1200 baud.

I doubt that. Several designs of 4800 baud modems have been made and
sold for over a decade here, and while they have seen quite some use,
they have not caused the majority to move off 1200 baud.

Most people are not interested in keeping up with the state of the art.
They'll tell you "it is fast enough for me" and they'll ignore the fact
that the channel load would be much less when everyone moved up to a
higher speed, even when each individual does not need that speed. Probably
they don't even understand what's the problem.

>4800 is a pretty neat speed for police and fire mobile computers,
>and the chips used are cheap and available. I would think a
>small PIC based board would improve APRS type beacons
>to a system that could actually provide information along with
>digital (vocoder) voice.

But who (apart from a few experimenters) will be interested in that?

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

183. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-28 12:48:19 UTC
From: "J. Duffy Beischel" <jduffy@zoomtown.com>
Message-ID: <1103_1012222099@news.fuse.net>
Source record: 7057
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

I have no disagreement with what you are stating, I just think it is wrong to make such bold statements that "packet is dead". I was simply commenting on that to say it is not dead, it just found a new and more appropriate use. Even the chap from the UK that said it is in rapid decline does not seem to be aware of the growing activity in the UK with APRS. The fastest growing APRS program is written in the UK. It would be like me saying that because some hams never use CW anymore that it is in rapid decline and why code test, etc.

Duffy

> Duffy
>
> *I* interpreted his comment as something along the lines of "Why
> would one want to develop, from scratch, a dedicated ("TNC") type
> of device when amateur packet radio (as it was known in the past,
> using "TNCs") has become so antequated and irrelevant in comparison
> to current industry practice in wireless LANs?"
>
> If I've gotten his sentiment correct, I agree ... the most sensible
> development for today's world would be radio modems for the
> amateur bands, using modern modulation and coding techniques,
> DSP, and the power of PCs (could we be talking software-defined
> radio here?) ... such devices would provide the interface between
> the PC and the antenna without need for tying up an expensive
> transceiver, would be inexpensive, would provide MUCH higher
> performance than any packet radio TNC now available, would
> to a large extent be reconfigurable to operate new modes as they
> are developed, and would use the software stack and applications
> (mail clients, browsers, etc.) already provided with virtually every
> PC that ships.
>
> Why would someone want to waste their time designing a new
> "TNC" ???
>
> 73,
> Carl - wa6vse
>
>
> -----BEGIN PGP SIGNATURE-----
> Version: PGP for Personal Privacy 5.5.3
>
> iQA/AwUBPFRXQJe+N6+q84HiEQLbWgCgmmrIgGl+1PAjPhsnGaLfCVF0eF0AoMWs
> PLUjvNvnIMxMsRFOs0+tebPc
> =XYEx

> -----END PGP SIGNATURE-----
>
>
>

184. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-28 13:03:25 UTC
From: Bishop Bradley <bb@nile.org>
Message-ID: <x_b58.5384$Qg2.328689@news1.east.cox.net>
Source record: 7058
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

They said the same thing about single sideband.

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
>
> But who (apart from a few experimenters) will be interested in that?

185. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-28 17:47:49 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna5b3m5.bn.nomail@linux.pe1chl.ampr.org>
Source record: 7059
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

J. Duffy Beischel <jduffy@zoomtown.com> wrote:
>I have no disagreement with what you are stating, I just think it is wrong to make such bold statements that "packet is dead". I was simply commenting on that to say it
>is not dead, it just found a new and more appropriate use. Even the chap from the UK that said it is in rapid decline does not seem to be aware of the growing activity in
>the UK with APRS.

The APRS folks proclaim that APRS is not packet.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

186. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-28 17:51:37 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna5b3t9.bn.nomail@linux.pe1chl.ampr.org>
Source record: 7060
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

Bishop Bradley <bb@nile.org> wrote:
>They said the same thing about single sideband.

But then there was something to gain. Something any amateur would want to have and could not easily get another way.
The goal could be attained by building or purchasing a piece of equipment.

With fast packet, the story is different. Nothing can be done unless a supporting infrastructure is set up (in cooperation with fellow amateurs), and the best you could achieve is some form of wireless Internet. It could be used mobile, but that would mean even more investment in infrastructure.

Now that everyone can get 56k access to the existing Internet, and many can have faster access using cable or DSL, and you can get wireless networking at 11 or 50 Mbps from the shop downtown, what is the attraction of fast packet to the masses?

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

187. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-28 19:19:11 UTC
From: lucifer@eternal-flames.gov
Message-ID: <3c55a2ed.3153563@news.btinternet.com>
Source record: 7061
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

On Mon, 28 Jan 2002 12:48:19 GMT, J. Duffy Beischel
<jduffy@zoomtown.com> wrote:

>Even the chap from the UK that said it is in rapid decline does
>not seem to be aware of the growing activity in
>the UK with APRS.

Well hush my mouth.... There was I believing that because I lived
over here, ran a net-node for a while, and even still used packet (and
APRS). That I might actually have some idea what was happening.

Nick.

188. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-28 19:42:08 UTC
From: Roger Barker <roger@peaksys.co.uk>
Message-ID: <RXIHLpAQmaV8EwCo@peaksys.co.uk>
Source record: 7062
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

In article <3c55a2ed.3153563@news.btinternet.com>, lucifer@eternal-flames.gov writes
>On Mon, 28 Jan 2002 12:48:19 GMT, J. Duffy Beischel
><jduffy@zoomtown.com> wrote:
>
>>Even the chap from the UK that said it is in rapid decline does
>>not seem to be aware of the growing activity in
>>the UK with APRS.
>
>Well hush my mouth.... There was I believing that because I lived
>over here, ran a net-node for a while, and even still used packet (and
>APRS). That I might actually have some idea what was happening.

Well, you certainly see it differently to what I do, and I live "over here" as well.

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

189. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-28 22:19:25 UTC
From: lucifer@eternal-flames.gov
Message-ID: <3c55cb44.4495653@news.btinternet.com>
Source record: 7063
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

On Mon, 28 Jan 2002 19:42:08 +0000, Roger Barker <roger@peaksys.co.uk>
wrote:

>Well, you certainly see it differently to what I do, and I live "over
>here" as well.

... and your view is of course as totally unbiased as mine.

Leaving out the various 'unconnected' packet-like modes for a second.
Can you honestly say that ax25 etc. is in any way a growth sector?

Look at the number of net-nodes that have gone in the last few years.

Take a listen on .950, .900, 8625 et al... Quiet isn't it. Compared
with 5 or so years ago.

As for APRS etc. Yes when I turn that on here, I still get the same
dozen or so callsign labels appearing. Not a significant number of
new ones though. Certainly not as many as have been lost from the
other packet mode.

If there is any growing interest in the mode, why has your monthly
column in PW devoted exclusively to packet gone?

Nick.

190. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-28 22:45:48 UTC
From: gareth@lightfox.demon.co.uk
Message-ID: <20020128.224548.76@lightfox.demon.co.uk>
Source record: 7064
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

In article <3c55a2ed.3153563@news.btinternet.com>,
Old Nick wrote:

> Well hush my mouth.... There was I believing that because I
> lived over here, ran a net-node for a while, and even still
> used packet (and APRS). That I might actually have some idea
> what was happening.

So the Devil does find work for idle hands !

UK BBS Bulletin traffic rose slightly over the new year period and then
went ballistic after 'Harry Blofield' announced the formation of a new
national society.

G1NNB went ballistic also, and along with the usual arguments, appeals for
calm and denouncements made by third parties, Harry and George seem to be
responsible for pushing traffic levels far beyond anything seen last year.

73, Gareth.

--
http://www.rat.org.uk/

191. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-28 23:02:48 UTC
From: Roger Barker <roger@peaksys.co.uk>
Message-ID: <RQn3q5AYidV8Ewyr@peaksys.co.uk>
Source record: 7065
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

In article <3c55cb44.4495653@news.btinternet.com>, lucifer@eternal-flames.gov writes
>On Mon, 28 Jan 2002 19:42:08 +0000, Roger Barker <roger@peaksys.co.uk>
>wrote:
>
>>Well, you certainly see it differently to what I do, and I live "over
>>here" as well.
>
>... and your view is of course as totally unbiased as mine.

(Nick, can't you identify yourself a little better than lucifer@eternal-flames.gov?)

I'm not biased, but I don't yet suffer from the UK packet mailbox network disease, best summed up by "Packet is doomed! Ham radio is doomed! We're all doomed!"

>Leaving out the various 'unconnected' packet-like modes for a second.
>Can you honestly say that ax25 etc. is in any way a growth sector?

The UK mailbox network certainly isn't a growth sector. It was hijacked a long time ago by the "job's worths" of ham radio, it has been over-regulated for years, and any attempts at discussing ham radio topics by bulletin are usually wrecked by the same small collection of people. Sometimes I think you have to be a masochist to use it!

I've used packet since the early 1980s, and I think what has happened to the UK mailbox network is very sad, but, despite that, there are still a lot of users. A change in attitude by a small number of people - the amateurcrats who claim to run the network, the RA officials who don't understand what they're regulating, and some of the users who make using the network an unpleasant experience for others - could make a big difference.

>Look at the number of net-nodes that have gone in the last few years.
>
>Take a listen on .950, .900, 8625 et al... Quiet isn't it. Compared
>with 5 or so years ago.

Given my comments above, it was inevitable that users would depart to the internet as soon as connectivity became cheap and easy. To survive, the mailbox network needs to offer something that is not available on the internet. That's unlikely to happen when real and imaginary regulations effectively limit message content to what could be carried on RTTY.

>As for APRS etc. Yes when I turn that on here, I still get the same
>dozen or so callsign labels appearing. Not a significant number of
>new ones though. Certainly not as many as have been lost from the
>other packet mode.

The use of APRS in the UK is most definitely still growing. One attraction, of course, is that it combines ham radio and the internet. Another attraction in the UK is that it allows hams to play packet radio away from all the packet gods / cops on the mailbox network. (Although I notice that, from time to time, some sad old sysop will take a listen on 144.800 and put out a bulletin trying to belittle the APRS users...)

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

192. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-28 23:18:37 UTC
From: lucifer@eternal-flames.gov
Message-ID: <3c55d903.923773@news.btinternet.com>
Source record: 7066
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

On Mon, 28 Jan 2002 12:48:19 GMT, J. Duffy Beischel
<jduffy@zoomtown.com> wrote:

>It would be like me saying that because some hams never use CW anymore that it is in
>rapid decline and why code test, etc.

That's something else that they've just about done over here. The
new "morse assessment" (N.B. it's not called a morse test anymore),
for the Foundation Class of HF licence, allows the applicant to use
crib-sheets! According to NG comments, it is virtually impossible to
fail.

Nick.

193. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-28 23:26:48 UTC
From: Bishop Bradley <bb@nile.org>
Message-ID: <Y6l58.183$gx3.21978@news1.east.cox.net>
Source record: 7067
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

"Rob Janssen" wrote
>
> With fast packet, the story is different. Nothing can be done unless a
> supporting infrastructure is set up (in cooperation with fellow amateurs),
> and the best you could achieve is some form of wireless Internet. It
could
> be used mobile, but that would mean even more investment in
infrastructure.

I'm not really talking about fast packet, or networking as we did in the
80's.
I'm talking about a 4800 baud rate, preferably with the input and output
channels on different frequencies. I've experimented extensively with
9600 baud, and it is my opinion that the range per watt (thus the number
of nodes required) is greater at 4800 baud.

While I like what APRS is trying to do, I think it is a limiting protocol.
It
is an ASCII protocol, and there is no FEC. Thus, my opinion that the
only way to go, is with 4800. I've used 4800 for years, and it performs
just as well as 1200 baud in range.

What I'm talking about, protocol wise, is something like:

http://www.cmlmicro.co.uk/products/Wireless_Data/CMX969.htm

Which is a a lot of FEC data. Combined with a repeater node, would
be the obvious expansion of APRS data, as well as vocoder data.

> Now that everyone can get 56k access to the existing Internet, and many
> can have faster access using cable or DSL, and you can get wireless
> networking at 11 or 50 Mbps from the shop downtown, what is the attraction
> of fast packet to the masses?

I ran my 1 Mbps RangeLAN2 system from my house to my mobile truck.
The range is on the order of feet. With a beam to beam system, I was
able to reach six miles. Suffice to say, that 11 Mbps Omnidirectional
is a wet dream.

194. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-29 00:00:42 UTC
From: lucifer@eternal-flames.gov
Message-ID: <3c55e5fc.4244533@news.btinternet.com>
Source record: 7068
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

On Mon, 28 Jan 2002 23:02:48 +0000, Roger Barker <roger@peaksys.co.uk>
wrote:

>(Nick, can't you identify yourself a little better than lucifer@eternal-
>flames.gov?)

This is (or should that be, was) UseNet. There is a long, almost
tradition, of not using real email addresses etc. on here.

If it was amateur radio, I could use my somewhat antiquated, early G4
callsign. It isn't radio, so I don't see the point in doing so.

>I don't yet suffer from the UK packet mailbox
>network disease, best summed up by "Packet is doomed! Ham radio is
>doomed! We're all doomed!"

I never suggested that. Though I, like many others will argue that
the road we are presently being taken down in respect of the so-called
Foundation licence class, might well be a doomed a dead-end.

>I've used packet since the early 1980s,

As have I. From the days of the old 'Acorn' rings in fact - as you
will know, that was, many would argue, the forerunner of ax25.

>Given my comments above, it was inevitable that users would depart to
>the internet as soon as connectivity became cheap and easy.

So when in my original posting, I said that packet was in decline -
that is ALL packet. It was accurate.

>The use of APRS in the UK is most definitely still growing.

But from a much smaller base than packet was at it's height of
popularity. The number of existing and new APRS users has not come
anywhere close to matching those leaving, or who have already left,
packet to go to the internet or PSK31 etc.

That is what the word decline means. Isn't it?

>One
>attraction, of course, is that it combines ham radio and the internet.

But you've just said that users have departed to go to the internet.
So if they've already got much higher speed connections - in some
cases broadband. Where is the incentive to continue using any form of
packet?

>(Although I
>notice that, from time to time, some sad old sysop will take a listen on
>144.800 and put out a bulletin trying to belittle the APRS users...)

Not this ex-sysop I assure you.

Nick.

p.s. I seem to recall having very much this same argument with you, in
person, about 2-3 years ago. :-)

195. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-29 00:00:43 UTC
From: lucifer@eternal-flames.gov
Message-ID: <3c55e5fe.4247215@news.btinternet.com>
Source record: 7069
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

On Mon, 28 Jan 2002 22:45:48 GMT, gareth@lightfox.demon.co.uk (Gareth Rowlands) wrote:

>So the Devil does find work for idle hands !

So! This is where you have been hiding Blofeld.

>UK BBS Bulletin traffic rose slightly over the new year period and then
>went ballistic after 'Harry Blofield' announced the formation of a new
>national society.

LOL

>G1NNB went ballistic also, and along with the usual arguments, appeals for
>calm and denouncements made by third parties, Harry and George seem to be
>responsible for pushing traffic levels far beyond anything seen last year.

This means that 006 (Hat size/I.Q. - delete as appropriate), will
never let you join his 'secret' New World Order now.

Curses! :-)

Nick.

196. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-29 00:31:10 UTC
From: Roger Barker <roger@peaksys.co.uk>
Message-ID: <KzSByIAO1eV8Ewiy@peaksys.co.uk>
Source record: 7070
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

In article <3c55e5fc.4244533@news.btinternet.com>, lucifer@eternal-
flames.gov writes
>On Mon, 28 Jan 2002 23:02:48 +0000, Roger Barker <roger@peaksys.co.uk>
>wrote:
>
>>(Nick, can't you identify yourself a little better than lucifer@eternal-
>>flames.gov?)
>
>This is (or should that be, was) UseNet. There is a long, almost
>tradition, of not using real email addresses etc. on here.

Where does that myth come from? Have a look through the other postings
in this ng.
>
>If it was amateur radio, I could use my somewhat antiquated, early G4
>callsign. It isn't radio, so I don't see the point in doing so.

Sorry, but I just don't like having anonymous discussions...

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

197. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-29 01:54:20 UTC
From: "Carl R. Stevenson" <wa6vse-shack@fast.net>
Message-ID: <3c5600ec_1@news7.fast.net>
Source record: 7071
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

<lucifer@eternal-flames.gov> wrote in message
news:3c55d903.923773@news.btinternet.com...
> On Mon, 28 Jan 2002 12:48:19 GMT, J. Duffy Beischel
> <jduffy@zoomtown.com> wrote:
>
> >It would be like me saying that because some hams never use CW anymore
that it is in
> >rapid decline and why code test, etc.
>
> That's something else that they've just about done over here. The
> new "morse assessment" (N.B. it's not called a morse test anymore),
> for the Foundation Class of HF licence, allows the applicant to use
> crib-sheets! According to NG comments, it is virtually impossible to
> fail.
>
> Nick.

If you guys want to argue the merits (or lack thereof) of Morse
testing, you "have" to go to rec.radio.amateur.policy ... trust
me, I *know* about this topic and I've been seriously flamed
for mentioning it on other newsgroups ... :-)

73,

--
Carl R. Stevenson - wa6vse
<mailto:wa6vse@fast/net>
<http://www.users.fast.net/~wa6vse>

NCI-1052
Executive Director, No Code International
Fellow, The Radio Club of America
Senior Member, IEEE
Member, TAPR
Member, ARRL

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<http://www.nocode.org>

198. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-29 01:58:30 UTC
From: Mark <g0usl@blueyonder.co.uk>
Message-ID: <aln58.281$6v.7452@news2>
Source record: 7072
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

You will never have fast packet.
Fast packet would be too costly to be practical
what would increase packet radio usage is if some clever person could write some code allowing you to attach a tnc DIRECTLY to windows, say as a pseudo Ethernet port using the ax25 protocol. This would allow tcp/ip to be simply set up over radio links. If the local nodes where dhcp servers then no worrying about where you get your ip address from you just use it. Outlook express as your mailer, internet explorer browsing simple, non graphical websites etc DEAD SIMPLE = loads of users, can only be a good thing for the hobby.....

73 all
g0usl

"Bishop Bradley" <bb@nile.org> wrote in message
news:Y6l58.183$gx3.21978@news1.east.cox.net...
>
> "Rob Janssen" wrote
> >
> > With fast packet, the story is different. Nothing can be done unless a
> > supporting infrastructure is set up (in cooperation with fellow
amateurs),
> > and the best you could achieve is some form of wireless Internet. It
> could
> > be used mobile, but that would mean even more investment in
> infrastructure.
>
> I'm not really talking about fast packet, or networking as we did in the
> 80's.
> I'm talking about a 4800 baud rate, preferably with the input and output
> channels on different frequencies. I've experimented extensively with
> 9600 baud, and it is my opinion that the range per watt (thus the number
> of nodes required) is greater at 4800 baud.
>
> While I like what APRS is trying to do, I think it is a limiting protocol.
> It
> is an ASCII protocol, and there is no FEC. Thus, my opinion that the
> only way to go, is with 4800. I've used 4800 for years, and it performs
> just as well as 1200 baud in range.
>
> What I'm talking about, protocol wise, is something like:
>
> http://www.cmlmicro.co.uk/products/Wireless_Data/CMX969.htm
>

> Which is a a lot of FEC data. Combined with a repeater node, would
> be the obvious expansion of APRS data, as well as vocoder data.
>
> > Now that everyone can get 56k access to the existing Internet, and many
> > can have faster access using cable or DSL, and you can get wireless
> > networking at 11 or 50 Mbps from the shop downtown, what is the
attraction
> > of fast packet to the masses?
>
> I ran my 1 Mbps RangeLAN2 system from my house to my mobile truck.
> The range is on the order of feet. With a beam to beam system, I was
> able to reach six miles. Suffice to say, that 11 Mbps Omnidirectional
> is a wet dream.
>
>
>

199. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-29 02:00:03 UTC
From: "Carl R. Stevenson" <wa6vse-shack@fast.net>
Message-ID: <3c560242_2@news7.fast.net>
Source record: 7073
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

```
-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

"Bishop Bradley" <bb@nile.org> wrote in message
news:Y6l58.183$gx3.21978@news1.east.cox.net...
>
> I ran my 1 Mbps RangeLAN2 system from my house to my mobile truck.
> The range is on the order of feet. With a beam to beam system, I
was
> able to reach six miles. Suffice to say, that 11 Mbps
Omnidirectional
> is a wet dream.

I ran the link budget calculations for the path from my house
to my employer's closest facility ... a bit over 6 miles ... with
a 20" grid dish at each end, I've got link budget to burn and
still have excellent reliability at 11 Mbps ...

With an omni "hub" and directional endpoints, you could get
similar range ...

BTW, the notebook at the operating position that I'm writing
this message on is linked to the internet (and the hard-wired
100 Mbps Ethernet part of my home office LAN) via an 11 Mbps
802.11b connection ...

73,
Carl - wa6vse

-----BEGIN PGP SIGNATURE-----
Version: PGP for Personal Privacy 5.5.3

iQA/AwUBPFYCH5e+N6+q84HiEQLprgCg0hMSgrdJLGnfLegZ38h91NocqmAAn2Bi
kNvJMDqbuJGmuEPu2K4h3pde
=/eks
-----END PGP SIGNATURE-----
```

200. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-29 03:21:54 UTC
From: Bishop Bradley <bb@nile.org>
Message-ID: <mzo58.629$gx3.53983@news1.east.cox.net>
Source record: 7074
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

"Carl R. Stevenson" wrote
>
> "Bishop Bradley" wrote
> >
> > I ran my 1 Mbps RangeLAN2 system from my house to my mobile truck.
> > The range is on the order of feet. With a beam to beam system, I
> > was able to reach six miles. Suffice to say, that 11 Mbps
> > Omnidirectional is a wet dream.
>
> I ran the link budget calculations for the path from my house
> to my employer's closest facility ... a bit over 6 miles ... with
> a 20" grid dish at each end, I've got link budget to burn and
> still have excellent reliability at 11 Mbps ...

I got into wireless before the 11 Mbps stuff came out. I went with
the RangeLAN because it was a 500 mW device, and that combined
with a 21 dB gain dish worked through the path that is not optimum.
If I was to do it again, I'd definately go with a direct sequence spread
spectrum, over the frequency hopper.

> With an omni "hub" and directional endpoints, you could get
> similar range ...

True, but the regulations for multipoint distribution are much more
strict than point to point. I'm talking about Part 15 of coarse, as
nothing ever made it to the Ham bands.

> BTW, the notebook at the operating position that I'm writing
> this message on is linked to the internet (and the hard-wired
> 100 Mbps Ethernet part of my home office LAN) via an 11 Mbps
> 802.11b connection ...

Same here. My router is in the garage, which shoots up to the roof
link on a 500 mW 21 dB gain link via 100 Mbps wire, then to the rest
of the house via 11 Mbps wireless. I don't like drilling holes and
running wires in my old age.

My point was, that take an Omni antenna, and put it on your truck.
Say you have an Omni hub at 50 feet. How far can you go before
the link craps out? In my case, I had a radius of way less than a mile.

Thus, in my opinion, low baud 4800 is the way to go for maximum
coverage at affordable prices. I'm not talking about TCP/IP.
TCP/IP mobile in my truck has zero value for my ham radio hobby.
I want something that is purely "shoot the breeze" and "just for fun."

201. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-29 05:01:59 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <b1q58.8168$mU4.504566@bgtnsc06-news.ops.worldnet.att.net>
Source record: 7075
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

"Roger Barker" <roger@peaksys.co.uk> wrote in message
news:RQn3q5AYidV8Ewyr@peaksys.co.uk...

> Given my comments above, it was inevitable that users would depart to
> the internet as soon as connectivity became cheap and easy. To survive,
> the mailbox network needs to offer something that is not available on

It uses ham radio? The internet does not do that.

> the internet. That's unlikely to happen when real and imaginary
> regulations effectively limit message content to what could be carried
> on RTTY.

--

... Hank

http://horedson.home.att.net

202. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-29 07:21:32 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <5qgc5u03b14is5gs0emqide7rc9mocl46a@4ax.com>
Source record: 7076
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

On Mon, 28 Jan 2002 23:26:48 GMT, "Bishop Bradley" <bb@nile.org>
wrote:

>I'm talking about a 4800 baud rate, preferably with the input and output
>channels on different frequencies. I've experimented extensively with
>9600 baud, and it is my opinion that the range per watt (thus the number
>of nodes required) is greater at 4800 baud.

Such low speeds can make sense for some applications, provided that
the system is running in full duplex. This improve throughput by
eliminating the TxDelay.

With full duplex it is not possible for multiple stations to directly
communicate with each other but a common repeater is required. This is
very fortunate, since this eliminates the hidden transmitter problem
and some sensible channel access systems can be used.

Using a common repeater also makes it possible to use directional
antennas at distant end user stations, which has traditionally
resulted only in a worse hidden transmitter problem.

With a single common repeater, the end users always communicating with
the same station, thus it would be possible for each end user station
to use an equaliser in both the receiver and transmitter to correct
the phase and amplitude response of each end user rig, although, this
could not compensate for variations in the RF-path (multipath), unless
frequent training sessions are used. However, with an equaliser,
higher speeds, 9600bit/s and possibly more should be obtainable using
a sound card for handling baseband Rx and Tx signals.

The problem with full duplex is that the receiver will desense from
the own transmitter, unless a duplexer is used. This would be too
expensive, if every end user station would need a duplexer.
Fortunately, there are a lot of dualband radios capable of
simultaneously receiving on one band and transmitting on the other and
provided that the frequencies are selected in a way that are not
directly harmonically related, there should not be too much desense
problems.

In the simplest case the repeater could be just an ordinary phone
repeater for simple AX.25 style CSMA channel access, but for other
channel access methods and for using equalisers, some additional logic
is required at the repeater site.

Paul OH3LWR

203. article on irlp internet repeater linking

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-29 08:25:49 UTC
From: g3zhi@hotmail.com
Message-ID: <3c585bb6.2859975@news.btinternet.com>
Source record: 7077

http://www.qsl.net/g3zhi/photos/radcom.htm

204. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-29 09:00:26 UTC
From: Roger Barker <roger@peaksys.co.uk>
Message-ID: <hLrLs6AqSmV8EwFz@peaksys.co.uk>
Source record: 7078
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

In article <b1q58.8168$mU4.504566@bgtnsc06-news.ops.worldnet.att.net>,
Hank Oredson <horedson@att.net> writes
>
>"Roger Barker" <roger@peaksys.co.uk> wrote in message
>news:RQn3q5AYidV8Ewyr@peaksys.co.uk...
>
>> Given my comments above, it was inevitable that users would depart to
>> the internet as soon as connectivity became cheap and easy. To survive,
>> the mailbox network needs to offer something that is not available on
>
>It uses ham radio? The internet does not do that.

Exactly! So it shouldn't need much else to persuade hams to use it. One problem here in the UK is this - The network has been over-regulated for so many years that the ham radio aspect of using it has become unimportant.

The most common reason I see quoted for using the packet network isn't "Because it's ham radio..." it's "Because I haven't got internet access...", which is a road to nowhere.

Of course we need to emphasise that it's ham radio, that it provides a unique forum where you can discuss thing with other hams, etc, but some of the people who run it also need to get their brains in gear, and realise that years of saying "Thou shalt not" have done serious damage.

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

205. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-29 09:52:43 UTC
From: hamish@cloud.net.au
Message-ID: <3c5670eb$0$2212$afc38c87@news.optusnet.com.au>
Source record: 7079
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

In rec.radio.amateur.digital.misc lucifer@eternal-flames.gov wrote:
> Leaving out the various 'unconnected' packet-like modes for a second.
> Can you honestly say that ax25 etc. is in any way a growth sector?

Why is it valid to leave those out? Are they unimportant?

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

206. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-29 10:17:20 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna5ctlg.bn.nomail@linux.pe1chl.ampr.org>
Source record: 7080
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

Mark <g0usl@blueyonder.co.uk> wrote:
>You will never have fast packet.
>Fast packet would be too costly to be practical
>what would increase packet radio usage is if some clever person could write
>some code allowing you to attach a tnc DIRECTLY to windows, say as a pseudo
>Ethernet port using the ax25 protocol. This would allow tcp/ip to be simply

You mean like SV2AGW did a couple of years ago?
Did that take over packet radio? It has quite some users, but not the
loads of users you predict or expect.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

207. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-29 10:28:56 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna5cub8.bn.nomail@linux.pe1chl.ampr.org>
Source record: 7081
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

Paul Keinanen <keinanen@sci.fi> wrote:
>On Mon, 28 Jan 2002 23:26:48 GMT, "Bishop Bradley" <bb@nile.org>
>wrote:

>>I'm talking about a 4800 baud rate, preferably with the input and output
>>channels on different frequencies. I've experimented extensively with
>>9600 baud, and it is my opinion that the range per watt (thus the number
>>of nodes required) is greater at 4800 baud.

>Such low speeds can make sense for some applications, provided that
>the system is running in full duplex. This improve throughput by
>eliminating the TxDelay.

>With full duplex it is not possible for multiple stations to directly
>communicate with each other but a common repeater is required. This is
>very fortunate, since this eliminates the hidden transmitter problem
>and some sensible channel access systems can be used.

>Using a common repeater also makes it possible to use directional
>antennas at distant end user stations, which has traditionally
>resulted only in a worse hidden transmitter problem.

>With a single common repeater, the end users always communicating with
>the same station, thus it would be possible for each end user station
>to use an equaliser in both the receiver and transmitter to correct
>the phase and amplitude response of each end user rig, although, this
>could not compensate for variations in the RF-path (multipath), unless
>frequent training sessions are used. However, with an equaliser,
>higher speeds, 9600bit/s and possibly more should be obtainable using
>a sound card for handling baseband Rx and Tx signals.

>The problem with full duplex is that the receiver will desense from
>the own transmitter, unless a duplexer is used. This would be too
>expensive, if every end user station would need a duplexer.
>Fortunately, there are a lot of dualband radios capable of
>simultaneously receiving on one band and transmitting on the other and
>provided that the frequencies are selected in a way that are not
>directly harmonically related, there should not be too much desense
>problems.

The practical one-band implementation is to use a repeater with full-duplex
capability (including filters to shield the receiver from the transmitter),
and user stations that are only half-duplex.
The repeater has a channel access protocol that forces the users to
transmit only when the channel is free. I.e. it transmits grants to the

users to use the uplink channel one by one. As the repeater can hear everyone, it can poll them one by one to transmit to it. It can also transmit other information while it is receiving, as long as it is careful not to transmit information to the station it has just invited to transmit. (under the assumption that this station will not be able to receive while it is transmitting)

This protocol is known under the name OPTIMA (an extension of DAMA) and is in actual use in some stations.

The idea of using some central arbitration in situations where a useful arbitration system is available (like in the case of a duplex repeater) has always been appealing to me. However, what I don't like is the DAMA implementation: the channel access protocol is intermixed with the AX.25 connection protocol. This means that it is not suitable for use with UI frames, as in the case of TCP/IP and APRS.

I have once designed a channel access protocol that really sits below AX.25 and could be used with UI frames and with other protocols. It uses short frames with only the callsigns as a poll frame, and allows the polled station to send anything it likes to send, not only connected mode AX.25 frames to the poller. (so it could also be used to arbitrate communication on a simplex channel: one central system could arbitrate the transmissions, but the actual data could be sent from one peer to another, not via the central system if that is not required).
This is a cleaner and more versatile approach than DAMA. Like on ethernet or token ring: the actual media access protocol is not interwoven with the higher level link protocols. I did a simple implementation, but abandoned the idea once it was clear that it would not stand a chance against the widely used DAMA protocol.

Rob
--
+---------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+---------------------------------+--------------------------------------+

208. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-29 13:37:16 UTC
From: lucifer@eternal-flames.gov
Message-ID: <3c56a3eb.2031165@news.btinternet.com>
Source record: 7082
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

On Tue, 29 Jan 2002 00:31:10 +0000, Roger Barker <roger@peaksys.co.uk>
wrote:

>>This is (or should that be, was) UseNet. There is a long, almost
>>tradition, of not using real email addresses etc. on here.
>
>Where does that myth come from? Have a look through the other postings
>in this ng.

This is merely one of many ng's. I'm not a great lover of 'spam' -
unless accompanied by the Monty Python team.

Show me where in BR68 it says that you should give your callsign when
using the internet.

>Sorry, but I just don't like having anonymous discussions...

Please yourself. Whatever sobriquet I choose to post under, has no
bearing on the validity or otherwise, of the arguments or views I
propound.

Nick.

209. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-29 13:37:17 UTC
From: lucifer@eternal-flames.gov
Message-ID: <3c569fe8.1003295@news.btinternet.com>
Source record: 7083
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

On 29 Jan 2002 09:52:43 GMT, hamish@cloud.net.au wrote:

>Why is it valid to leave those out? Are they unimportant?

Read the thread Sunshine!

Nick.

210. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-29 13:37:17 UTC
From: lucifer@eternal-flames.gov
Message-ID: <3c56a3a9.1965081@news.btinternet.com>
Source record: 7084
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

On Tue, 29 Jan 2002 01:54:20 -0000, "Carl R. Stevenson"
<wa6vse-shack@fast.net> wrote:

>If you guys want to argue the merits (or lack thereof) of Morse
>testing, you "have" to go to rec.radio.amateur.policy ... trust
>me, I *know* about this topic and I've been seriously flamed
>for mentioning it on other newsgroups ... :-)

Perhaps worth remembering though that this thread has been
cross-linked to the more general uk.radio.amateur ng, right from the
start. :-)

Nick.

211. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-29 13:54:30 UTC
From: "atec77(nospam)" <"atec77(nospam)"@hotmail.com>
Message-ID: <3c56a991$0$8707$afc38c87@news.optusnet.com.au>
Source record: 7085
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

seems to me hamish has allowed one slice of fermented haggis to many
past his lips.

lucifer@eternal-flames.gov wrote:
>
> On 29 Jan 2002 09:52:43 GMT, hamish@cloud.net.au wrote:
>
> >Why is it valid to leave those out? Are they unimportant?
>
> Read the thread Sunshine!
>
> Nick.

212. TS-570 and PTC-II ok?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-29 14:11:05 UTC
From: Markus Lenggenhager <hb9brj@yahoo.com>
Message-ID: <3c56ad5f$0$227$4d4ebb8e@read-nat.news.nl.uu.net>
Source record: 7086

A friend of mine wants to operate this combination. Rumor has it that the TS-570's DSP may delay the signal beyond the limit imposed by the PACTOR protocol. Personally I don't think this is true. A short statement by someone successfully using this combination is appreciated as final proof that the above rumor is wrong! TIA.

73, Markus HB9BRJ

213. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-29 15:12:10 UTC
From: gareth@lightfox.demon.co.uk
Message-ID: <20020129.151210.33@lightfox.demon.co.uk>
Source record: 7091
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

In article <3c55e5fc.4244533@news.btinternet.com>,
Old Nick wrote:

> >I've used packet since the early 1980s,

> As have I. From the days of the old 'Acorn' rings in fact - as you
> will know, that was, many would argue, the forerunner of ax25.

Hmmm .... "Cambridge Packet". Around 1983-84'ish ? It used the
cassette port on the BBC micro - as well as Tx & Rx audio, it had a
'remote start' for the cassette recorder - which made a very handy
PTT line.

I admit that I first explored 'packet' via the Cambridge method, but
AX25 version 1.1 was adopted in October 1982, a little while before
"Cambridge Packet" arrived.

Around that time, BARTG used to publish a list of known UK users of
AX25 in their newsletter. I think there were some forty-ish souls
by 1985.

73, Gareth

--
http://www.rat.org.uk/

214. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-29 15:38:52 UTC
From: "Carl R. Stevenson" <wa6vse-shack@fast.net>
Message-ID: <3c56c261_2@news7.fast.net>
Source record: 7088
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

```
-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

"Mark" <g0usl@blueyonder.co.uk> wrote in message
news:aln58.281$6v.7452@news2...
> You will never have fast packet.
> Fast packet would be too costly to be practical

Tell that to the guys in Slovenia who have been running >11 Mbps for
at least a couple of years.

A further example would be the cost of IEEE 802.11b PCMCIA cards,
which are going for WELL under $100 street price now.

Fast packet is NOT beyond reach, either in technology or in cost
for the amateur community.

What seems to me to be lacking is an accurate understanding of
what is possible.

Carl - wa6vse

-----BEGIN PGP SIGNATURE-----
Version: PGP for Personal Privacy 5.5.3

iQA/AwUBPFbCBpe+N6+q84HiEQLpnQCghRo1EaMp+zpbCCr96ABcM2pOUDgAoK80
HPPbRwi2DrFlXxZDUsvrxUc/
=leCX
-----END PGP SIGNATURE-----
```

215. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-29 15:40:02 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <mnz58.173$zT.16977@bgtnsc06-news.ops.worldnet.att.net>
Source record: 7087
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

"Roger Barker" <roger@peaksys.co.uk> wrote in message
news:hLrLs6AqSmV8EwFz@peaksys.co.uk...
> In article <b1q58.8168$mU4.504566@bgtnsc06-news.ops.worldnet.att.net>,
> Hank Oredson <horedson@att.net> writes
> >
> >"Roger Barker" <roger@peaksys.co.uk> wrote in message
> >news:RQn3q5AYidV8Ewyr@peaksys.co.uk...
> >
> >> Given my comments above, it was inevitable that users would depart to
> >> the internet as soon as connectivity became cheap and easy. To survive,
> >> the mailbox network needs to offer something that is not available on
> >
> >It uses ham radio? The internet does not do that.
>
> Exactly! So it shouldn't need much else to persuade hams to use it. One
> problem here in the UK is this - The network has been over-regulated for
> so many years that the ham radio aspect of using it has become
> unimportant.

> The most common reason I see quoted for using the packet network isn't
> "Because it's ham radio..." it's "Because I haven't got internet
> access...", which is a road to nowhere.

That is my point. The reason to use ham radio is ... surprise ...
because it is radio. Not because of some specific content, not
because it is "just like the internet" but because you hook up
your radio, build antennas, make contact with other hams ...
via radio.

> Of course we need to emphasise that it's ham radio, that it provides a
> unique forum where you can discuss thing with other hams, etc, but some
> of the people who run it also need to get their brains in gear, and
> realise that years of saying "Thou shalt not" have done serious damage.

Who cares about "unique forum" ... ham radio is not a unique forum
in any way other than you do it via radio. That's the whole point.

--

... Hank

http://horedson.home.att.net

216. Re: article on irlp internet repeater linking

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-29 15:41:14 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <uoz58.175$zT.17883@bgtnsc06-news.ops.worldnet.att.net>
Source record: 7089

"g3zhi" <g3zhi@hotmail.com> wrote in message
news:3c585bb6.2859975@news.btinternet.com...
>
> http://www.qsl.net/g3zhi/photos/radcom.htm

Neat stuff! You can pretend you have a radio and an antenna ...
... when you don't. Ain't that special!

--

... Hank

http://horedson.home.att.net

217. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-29 16:05:03 UTC
From: Roger Barker <roger@peaksys.co.uk>
Message-ID: <9Rqs6CCvgsV8Ewnp@peaksys.co.uk>
Source record: 7090
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

In article <mnz58.173$zT.16977@bgtnsc06-news.ops.worldnet.att.net>, Hank Oredson <horedson@att.net> writes
[snip]
>Who cares about "unique forum" ... ham radio is not a unique forum
>in any way other than you do it via radio. That's the whole point.

The point I've been trying to make, obviously unsuccessfully, so I'll shut up after this, is that I think there are reasons why a good number of users have stopped using the UK packet mailbox network. And I don't think they are going to return just because you or I say "the reason to use packet is because it's done via radio".

Note - All my comments have been about the UK network. I don't think the situation is necessarily comparable with the network in the USA, because you lost users long before we did, and you don't have our regulatory system.

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

218. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-29 18:52:25 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <llnd5u83tcqla2nvs50rjbm1bboa82ltt6@4ax.com>
Source record: 7092
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

On 29 Jan 2002 10:28:56 GMT, nomail@pe1chl.ampr.org (Rob Janssen) wrote:

>The practical one-band implementation is to use a repeater with full-duplex
>capability (including filters to shield the receiver from the transmitter),
>and user stations that are only half-duplex.

Unfortunately many ham radios require quite a while before the PLL is stable and the transmitter has been turned on (several hundred milliseconds). On 1200 bit/s AX.25 this is not a problem, since the largest frame takes more than 2 seconds to transmit, while at 9600 bit/s, the longest frame takes less than 300 ms and a shorter frame even less. Even with a window size of 7, the TxDelay will consume quite a lot of the channel capacity.

Thus, it would be preferable to let the user radio transmit as long as it has the token (in a token ring system).

Paul OH3LWR

219. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-29 19:41:31 UTC
From: lucifer@eternal-flames.gov
Message-ID: <3c56f965.9287349@news.btinternet.com>
Source record: 7095
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

On Tue, 29 Jan 2002 15:12:10 GMT, gareth@lightfox.demon.co.uk (Gareth Rowlands) wrote:

>> will know, that was, many would argue, the forerunner of ax25.

Forerunner: "A person or thing coming in advance to herald the arrival of someone or something."
(Collins English Dictionary)

I used the word in my posting, in exactly that meaning.

Acorn (or Cambridge) rings, were not that difficult to set up and it might be argued generated a surge of interest in, followed by a switch to, 'real' ax25-type packet here in the UK.

I was NOT claiming that Acorn rings, predated packet.

Nick.

220. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-29 19:41:32 UTC
From: lucifer@eternal-flames.gov
Message-ID: <3c56f9a7.9353514@news.btinternet.com>
Source record: 7094
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

On Tue, 29 Jan 2002 15:40:02 GMT, "Hank Oredson" <horedson@att.net>
wrote:

>Who cares about "unique forum" ... ham radio is not a unique forum
>in any way other than you do it via radio. That's the whole point.

AGREED! Sanity at last.

Nick.

221. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-29 19:41:33 UTC
From: lucifer@eternal-flames.gov
Message-ID: <3c56f9d7.9401139@news.btinternet.com>
Source record: 7093
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

On Tue, 29 Jan 2002 16:05:03 +0000, Roger Barker <roger@peaksys.co.uk>
wrote:

>there are reasons why a good number
>of users have stopped using the UK packet mailbox network. And I don't
>think they are going to return just because you or I say "the reason to
>use packet is because it's done via radio".

I see. So when I say UK packet radio is in decline - I'm wrong.

But it's okay for you to say that "a good number of users have stopped
using the UK packet mailbox network......"

Well. I'm very glad we've got that point clarified.

Nick.

222. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-29 20:23:46 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna5e16i.bn.nomail@linux.pe1chl.ampr.org>
Source record: 7096
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

Paul Keinanen <keinanen@sci.fi> wrote:
>On 29 Jan 2002 10:28:56 GMT, nomail@pe1chl.ampr.org (Rob Janssen)
>wrote:

>>The practical one-band implementation is to use a repeater with full-duplex
>>capability (including filters to shield the receiver from the transmitter),
>>and user stations that are only half-duplex.

>Unfortunately many ham radios require quite a while before the PLL is
>stable and the transmitter has been turned on (several hundred
>milliseconds). On 1200 bit/s AX.25 this is not a problem, since the
>largest frame takes more than 2 seconds to transmit, while at 9600
>bit/s, the longest frame takes less than 300 ms and a shorter frame
>even less. Even with a window size of 7, the TxDelay will consume
>quite a lot of the channel capacity.

>Thus, it would be preferable to let the user radio transmit as long as
>it has the token (in a token ring system).

Of course...
But transceivers with several hundred milliseconds txdelay are not really
suitable for packet.

Transceivers that do not have that problem are available (TEKK, several
German designs, crystal-controlled surplus PMR units).
However, for 70cm and below these normally cannot duplex in-band.
(for 23cm this usually is no problem)

In this case, the described system should work quite well. Of course, you
also want to use a window well above 7.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

223. PSK/Icom IC-751

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-29 21:49:27 UTC
From: Al Cristaldi <megaman@cybernet1.com>
Message-ID: <a375d60loq@enews3.newsguy.com>
Source record: 7098

Seeking help with wiring of my 751 and sound card for PSK operation. Any assistance would be appreciated, thanks and 73

--
Al Cristaldi
kk7gv@arrl.net

224. PSK/ICOM IC-751 Help

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-29 22:00:10 UTC
From: Al Cristaldi <megaman@cybernet1.com>
Message-ID: <a376190mlq@enews3.newsguy.com>
Source record: 7099

Seeking help with wiring of my 751 and sound card for PSK operation. Understand that only two cables are necessary if the VOX is utilized. Have a concern with possible grounds loops or voltage being feed into the rig however. Any assistance would be appreciated, thanks and 73

Al Cristaldi
kk7gv@arrl.net

--
Al Cristaldi
kk7gv@arrl.net

225. Comment - why would one want to??? (was Re: Request for Comment - New TNC design)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-29 22:06:05 UTC
From: "Carl R. Stevenson" <wa6vse-shack@fast.net>
Message-ID: <3c571d5c_1@news7.fast.net>
Source record: 7097
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

```
-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
news:slrna5e16i.bn.nomail@linux.pe1chl.ampr.org...
> Paul Keinanen <keinanen@sci.fi> wrote:
>
> >Unfortunately many ham radios require quite a while before the PLL
is
> >stable and the transmitter has been turned on (several hundred
> >milliseconds). On 1200 bit/s AX.25 this is not a problem, since the
> >largest frame takes more than 2 seconds to transmit, while at 9600
> >bit/s, the longest frame takes less than 300 ms and a shorter frame
> >even less. Even with a window size of 7, the TxDelay will consume
> >quite a lot of the channel capacity.

Pardon me, but "Gag!!!!"

Several hundred milliseconds for a PLL to settle? That's AWFUL!!!

The chipsets I designed for $50 (retail) cordless phones
several years ago would lock and settle the PLL on a jump from
one end of the 902-928 MHz band to the other (~ a 26 MHz step ...
the settling time was faster for smaller steps) in 250 *micro*seconds,
worst case. (This was settled within less than 5 kHz, and the
remaining
settling of the last "ringing" was completed in another cycle or two
of the reference frequency to essentially "dead-on stable.") This
lock/settle time/accuracy was adequate for good deomodulator
performance with the modulation used ... in this case orthogonal BFSK
with +-80 kHz shift for 160 kbps burst rates on the channel.

Again, I must emphasize that this was in a chipset economical
enough to for a $50 (retail) cordless phone (2 complete radios,
plus baseband, etc. ... one set for the base, one for the handset.)

It IS possible to design low-cost/high-performance radios that
could be used in high-speed amateur digital communications
systems in the VHF/UHF bands ... and it is NOT necessary to
limit one's self to xtal control to get adequate switching speeds
to support higher data rates without having TX/RX times eat up
all the channel time.
```

I have to ask again "Why would one want to bother with designing
a new "TNC" for 4800 bps???" (for that matter, why would one
bother desiging a "TNC," as opposed to a true RF modem
and running the "stack" on the PC???)

Carl - wa6vse

-----BEGIN PGP SIGNATURE-----
Version: PGP for Personal Privacy 5.5.3

iQA/AwUBPFccrJe+N6+q84HiEQI52wCfXbqHeQvo2DKuVA+CGGzMzP+fOgAAn1nc
AQLjrOgs+IpxFCHvNosVA41O
=Knnf
-----END PGP SIGNATURE-----

226. Re: Comment - why would one want to??? (was Re: Request for Comment - New TNC design)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-29 23:20:36 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna5ebi4.9h3.nomail@linux.pe1chl.ampr.org>
Source record: 7100
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

Carl R. Stevenson <wa6vse-shack@fast.net> wrote:
>-----BEGIN PGP SIGNED MESSAGE-----
>Hash: SHA1

>"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
>news:slrna5e16i.bn.nomail@linux.pe1chl.ampr.org...
>> Paul Keinanen <keinanen@sci.fi> wrote:

>> >Unfortunately many ham radios require quite a while before the PLL
>is
>> >stable and the transmitter has been turned on (several hundred
>> >milliseconds). On 1200 bit/s AX.25 this is not a problem, since the
>> >largest frame takes more than 2 seconds to transmit, while at 9600
>> >bit/s, the longest frame takes less than 300 ms and a shorter frame
>> >even less. Even with a window size of 7, the TxDelay will consume
>> >quite a lot of the channel capacity.

>Pardon me, but "Gag!!!!"

>Several hundred milliseconds for a PLL to settle? That's AWFUL!!!

>The chipsets I designed for $50 (retail) cordless phones
>several years ago would lock and settle the PLL on a jump from
>one end of the 902-928 MHz band to the other (~ a 26 MHz step ...
>the settling time was faster for smaller steps) in 250 *micro*seconds,

Of course it is possible to make a fast PLL (especially when you don't need small steps), but you should understand that the PLL in an amateur radio transceiver is purposely made slow.

FM transceivers have only a single PLL. When receiving, it is set to Frx - Fmf1 to provide the local oscillator frequency. When transmitting, it is set to Ftx. The output of the PLL is directly fed to the power amplifier stages. It is modulated by AC-coupling the amplified microphone signal to the VCO control voltage.

With a fast-acting PLL this would not work, as the PLL would counter-act this modulation signal. So, the PLL loop filter is set to cut of at 50 Hz or so, the PLL cannot track (most of) the modulation, and it sort of works for voice.

However, a PLL with a 50 Hz loopfilter is of course not going to lock in 250 microseconds...

A better design would keep the PLL at Frx frequency and mix a separately modulated oscillator, operating at Fmf1, to obtain the Ftx. This is usally done in SSB and multimode transceivers, as it is required (or at least easier) to obtain an SSB signal this way, and do it the same for FM mode.

With so many amateurs wanting to use a small and cheap FM-only mobile or handie for packet, slow changeover times are a fact of life.
It is clear that the whole idea of using a voice transceiver for packet was a bad idea from the start. Strange that the wellknown manufacturers never came up with an amateur packet transceiver, something that has no voice mode but is optimized for data. These things have always remained kit-form or module designs, not plug&play devices from the far east.

Rob
--
+---------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+---------------------------------+--------------------------------------+

227. Re: Comment - why would one want to??? (was Re: Request for Comment - New TNC design)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-30 00:38:32 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <cgH58.646$0J6.44648@bgtnsc04-news.ops.worldnet.att.net>
Source record: 7101
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

"Carl R. Stevenson" <wa6vse-shack@fast.net> wrote in message
news:3c571d5c_1@news7.fast.net...

<reasonable design ideas removed for brevity>

> I have to ask again "Why would one want to bother with designing
> a new "TNC" for 4800 bps???" (for that matter, why would one
> bother desiging a "TNC," as opposed to a true RF modem
> and running the "stack" on the PC???)

Yes, please, I'll take a bunch of those.

An RJ-45 connector with 10 or 100 base T to talk
to the computer would be very nice.

I want to hook a bunch of those to an ethernet
hub out where the antennas are located. Two locations
actually, one is 100' from the shack, the other is 500'.

--

... Hank

http://horedson.home.att.net

228. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-30 00:42:21 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <NjH58.651$0J6.45471@bgtnsc04-news.ops.worldnet.att.net>
Source record: 7102
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

<lucifer@eternal-flames.gov> wrote in message
news:3c56f9a7.9353514@news.btinternet.com...
> On Tue, 29 Jan 2002 15:40:02 GMT, "Hank Oredson" <horedson@att.net>
> wrote:
>
> >Who cares about "unique forum" ... ham radio is not a unique forum
> >in any way other than you do it via radio. That's the whole point.
>
> AGREED! Sanity at last.
>
> Nick.

Omigod.
Somebody called one of my comments "sane".
Scary.

--

... Hank

http://horedson.home.att.net

229. Re: PSK/ICOM IC-751 Help

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-30 02:33:27 UTC
From: Ralph Mowery <rmowery@dialpoint.net>
Message-ID: <3C575B77.4552DB48@dialpoint.net>
Source record: 7103

Look here: YOu can build a kit for less than $ 30 or get it W&T for
about $ 50. There are schematics and hook ups for it also.

http://www.packetradio.com/psk31.htm

Al Cristaldi wrote:
>
> Seeking help with wiring of my 751 and sound card for PSK operation.
> Understand that only two cables are necessary if the VOX is utilized. Have a
> concern with possible grounds loops or voltage being feed into the rig
> however. Any assistance would be appreciated, thanks and 73
>
> Al Cristaldi
> kk7gv@arrl.net
>
> --
> Al Cristaldi
> kk7gv@arrl.net

230. Re: Comment - why would one want to??? (was Re: Request for Comment - New TNC design)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-30 02:37:13 UTC
From: Bishop Bradley <bb@nile.org>
Message-ID: <t%I58.4211$gx3.187368@news1.east.cox.net>
Source record: 7104
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

"Carl R. Stevenson" wrote
>
> I have to ask again "Why would one want to bother with designing
> a new "TNC" for 4800 bps???" (for that matter, why would one
> bother desiging a "TNC," as opposed to a true RF modem
> and running the "stack" on the PC???)

I don't like the term TNC. It doesn't mean anything anymore, or is synonymous with AX.25. Ham radio is done with that as an attraction.

Let's call it a modem. Digital data in (I don't care how, TTL is fine), and audio out (audio that can be interfaced to a radio).

4800 baud carries vocoder voice. 4800 baud has good coverage per repeater. 9600 baud repeaters are short range devices in comparison (using the g3ruh design), or requires a beam. Don't try to sell me different. g3ruh modems are terrible designs.

4800 baud modem chips are available that do 4 level FSK and built-in FEC. Vocoder chips are available that also have FEC built-in, and would be fine for plain old FSK.

4800 baud is fine for APRS combined with voice. Higher baud rates require more nodes, and have smaller coverage area.

Part15 devices running 11 Mbps have no value to a Ham. It's an unlicensed commercial design, and operates outside of the Ham bands.

Hams no longer want to duplicate the internet. Trying to interest a Ham in high speed megabit wireless is a no gain exercise. Hams don't want another internet. They want to use GPS and voice, or other low bandwidth information. They don't want to email or ftp.

231. Re: article on irlp internet repeater linking

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-30 02:38:53 UTC
From: Bishop Bradley <bb@nile.org>
Message-ID: <11J58.4217$gx3.187640@news1.east.cox.net>
Source record: 7105

You're so predictable. Like a broken record.

"Hank Oredson" wrote
>
> "g3zhi" wrote
> >
> > http://www.qsl.net/g3zhi/photos/radcom.htm
>
> Neat stuff! You can pretend you have a radio and an antenna ...
> ... when you don't. Ain't that special!

232. Re: PSK/Icom IC-751

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-30 03:36:51 UTC
From: ebruchac@aol.compaq
Message-ID: <20020129223651.23685.00000196@mb-mj.aol.com>
Source record: 7106

AL-have you looked through the Digipan help files for a wiring diagram?

http://members.home.net/hteller/digipan/

Also,the psk 31email reflector might be a good place to post your inquiry;send an email to;

psk31@bipt106.bi.ehu.es

73 nGL--psk is a fun mode.

Ed N4ZUM

Remove the,"paq" to email.

"A Picture is Worth a Thousand Words...but uses a thousand times more memory."

233. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-30 07:54:27 UTC
From: lucifer@eternal-flames.gov
Message-ID: <3c57a4b3.1941535@news.btinternet.com>
Source record: 7107
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

On Wed, 30 Jan 2002 00:42:21 GMT, "Hank Oredson" <horedson@att.net>
wrote:

>Omigod.

No! Close but no cigar.... I'm with the rival firm.

>Somebody called one of my comments "sane".

Don't worry too much about it... It was only regarding the bit about
"unique forum" :-)

>Scary

Only on a dark night.

Nick.

234. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-30 13:55:17 UTC
From: OldBiker <vito@crosslink.net>
Message-ID: <3C57FB45.2C2CDAB@crosslink.net>
Source record: 7108
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

Hank Oredson wrote:
>
> That is my point. The reason to use ham radio is ... surprise ...
> because it is radio.....

Just to add a couple non-technical thots ...
1) My hearing is "profoundly impaired" so I'm planning to do more "digiting" as soon as I can find a round tuit.
2) We did a demo for our county emergency folks a while back. They were much more interested in packet than voice cuz it yielded hard copy they could reference and didn't garble lists of names like speech tends to do.

Both argue for ongoing improvements.

73 KA3DWW

235. Re: article on irlp internet repeater linking

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-30 13:59:33 UTC
From: OldBiker <vito@crosslink.net>
Message-ID: <3C57FC45.1A003ABA@crosslink.net>
Source record: 7109

Hank Oredson wrote:
>
> Neat stuff! You can pretend you have a radio and an antenna ...
> ... when you don't. Ain't that special!

Hey, look what pretense has done for my (biker) subculture. Can you imagine a "rumble" between, say, The Litigators and The Proctologists?!? ;o)

236. Re: Comment - why would one want to??? (was Re: Request for Comment - New TNC design)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-30 17:35:57 UTC
From: Walt Davidson <walt99@tiscali.co.uk>
Message-ID: <joff5u4u8ofqafqbkmcan94152fl7tmvl6@4ax.com>
Source record: 7110
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

On Wed, 30 Jan 2002 02:37:13 GMT, "Bishop Bradley" <bb@nile.org>
wrote:

>I don't like the term TNC. It doesn't mean anything anymore, or
>is synonymous with AX.25. Ham radio is done with that as an
>attraction.
>
>Let's call it a modem.

A modem is not the same thing as a TNC. A TNC *contains* a modem, but
contains a lot of additional features as well, in the form of hardware
and software to control your station.

73 de G3NYY

--
Walt Davidson Email: g3nyy @freeuk.com

237. Re: Comment - why would one want to??? (was Re: Request for Comment - New TNC design)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-30 21:22:13 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0201302116080.13001-100000@exp.bde-arc.ampr.org>
Source record: 7111
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

```
On Tue, 29 Jan 2002, Carl R. Stevenson wrote:
>-----BEGIN PGP SIGNED MESSAGE-----
>Hash: SHA1
>
>"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
>news:slrna5e16i.bn.nomail@linux.pe1chl.ampr.org...
>> Paul Keinanen <keinanen@sci.fi> wrote:
>>
>> >Unfortunately many ham radios require quite a while before the PLL
>is
>> >stable and the transmitter has been turned on (several hundred
>> >milliseconds). On 1200 bit/s AX.25 this is not a problem, since the
>> >largest frame takes more than 2 seconds to transmit, while at 9600
>> >bit/s, the longest frame takes less than 300 ms and a shorter frame
>> >even less. Even with a window size of 7, the TxDelay will consume
>> >quite a lot of the channel capacity.
>
>
>Pardon me, but "Gag!!!!"
>
>Several hundred milliseconds for a PLL to settle? That's AWFUL!!!
>
>The chipsets I designed for $50 (retail) cordless phones
>several years ago would lock and settle the PLL on a jump from
>one end of the 902-928 MHz band to the other (~ a 26 MHz step ...
>the settling time was faster for smaller steps) in 250 *micro*seconds,
>worst case. (This was settled within less than 5 kHz, and the
>remaining
>settling of the last "ringing" was completed in another cycle or two
>of the reference frequency to essentially "dead-on stable.") This
>lock/settle time/accuracy was adequate for good deomodulator
>performance with the modulation used ... in this case orthogonal BFSK
>with +-80 kHz shift for 160 kbps burst rates on the channel.

Granted that the amateur stuff could still be slow, but there's another factor
here: Your cordless phones put out less power than amateur equipment. For
usable communications, the signal out the FINALS must be stable, and the higher
the power, the longer it takes for the signal to ramp up to that output level
from zero. Nothing is "instant on." Now, a fair comparsion would be of FINAL
signals, or of VCO lock (in the driver circuit where the power level is more
likely to be approximately equal).
```

>Again, I must emphasize that this was in a chipset economical
>enough to for a $50 (retail) cordless phone (2 complete radios,
>plus baseband, etc. ... one set for the base, one for the handset.)
>
>It IS possible to design low-cost/high-performance radios that
>could be used in high-speed amateur digital communications
>systems in the VHF/UHF bands ... and it is NOT necessary to
>limit one's self to xtal control to get adequate switching speeds
>to support higher data rates without having TX/RX times eat up
>all the channel time.
>
>I have to ask again "Why would one want to bother with designing
>a new "TNC" for 4800 bps???" (for that matter, why would one
>bother desiging a "TNC," as opposed to a true RF modem
>and running the "stack" on the PC???)

238. Re: Comment - why would one want to??? (was Re: Request for Comment - New TNC design)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-30 21:33:34 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0201302125030.13001-100000@exp.bde-arc.ampr.org>
Source record: 7112
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur,rec.radio.amateur.policy

On Wed, 30 Jan 2002, Bishop Bradley wrote:
>"Carl R. Stevenson" wrote
>> I have to ask again "Why would one want to bother with designing
>> a new "TNC" for 4800 bps???" (for that matter, why would one
>> bother desiging a "TNC," as opposed to a true RF modem
>> and running the "stack" on the PC???)
>
>I don't like the term TNC. It doesn't mean anything anymore, or
>is synonymous with AX.25. Ham radio is done with that as an
>attraction.
>
>Let's call it a modem. Digital data in (I don't care how, TTL is
>fine), and audio out (audio that can be interfaced to a radio).
>
>4800 baud carries vocoder voice. 4800 baud has good coverage
>per repeater. 9600 baud repeaters are short range devices in
>comparison (using the g3ruh design), or requires a beam. Don't
>try to sell me different. g3ruh modems are terrible designs.
>
>4800 baud modem chips are available that do 4 level FSK and
>built-in FEC. Vocoder chips are available that also have FEC
>built-in, and would be fine for plain old FSK.
>
>4800 baud is fine for APRS combined with voice. Higher baud
>rates require more nodes, and have smaller coverage area.
>
>Part15 devices running 11 Mbps have no value to a Ham. It's
>an unlicensed commercial design, and operates outside of the
>Ham bands.

To address the discussion on another newsgroup (cross-posting added) and this above comment to Carl Stevenson about part15 on 12cm: Gee - I wonder how he came to that conclusion? He must have read the box! As I have said, there simply isn't enough information out there for the non-radio-engineer amateur operator to realize that this belief is technically wrong - because the fact of a 20MHz slice of the band isn't evident to those who don't take the extraordinary step of looking up the IEEE 802.11b specification.

I discount you because you are involved in the design and/or manufacture of such devices. I discount Ed Hare because he is involved in the survey and testing (for interference purposes) of all wireless devices. [However, both of you seem knowledgable on the subject, but you are EXPERTS.] I have been talking about the AVERAGE PERSON. Not every amateur operator is an electronics

engineer.

>Hams no longer want to duplicate the internet. Trying to interest
>a Ham in high speed megabit wireless is a no gain exercise.
>Hams don't want another internet. They want to use GPS and
>voice, or other low bandwidth information. They don't want to
>email or ftp.

239. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-30 21:45:11 UTC
From: Mark <g0usl@blueyonder.co.uk>
Message-ID: <HPZ58.7118$ws1.892211@news1.cableinet.net>
Source record: 7113
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

You will have small pockets of specialist packet users in some areas. But unless someone produces a magic way of making tncs AND radios cheaply that conform to 12.5 KHz channels AND speeds of 9k6 and up AND get the sysops to upgrade their user ports AND keep signal levels high enough that the retry rates don't make the whole thing slower than 1K2 GLOBALLY over the whole of the UK then off you go impress me, and incidentally, why didn't you do it 15 years ago if you can do it now, the technology IS that old...

Mark

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message news:slrna5ctlg.bn.nomail@linux.pe1chl.ampr.org...
> Mark <g0usl@blueyonder.co.uk> wrote:
> >You will never have fast packet.
> >Fast packet would be too costly to be practical
> >what would increase packet radio usage is if some clever person could write
> >some code allowing you to attach a tnc DIRECTLY to windows, say as a pseudo
> >Ethernet port using the ax25 protocol. This would allow tcp/ip to be simply
>
> You mean like SV2AGW did a couple of years ago?
> Did that take over packet radio? It has quite some users, but not the
> loads of users you predict or expect.
>
> Rob
> --
> +--------------------------------+--------------------------------------+
> | Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
> | AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
> +--------------------------------+--------------------------------------+

240. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-30 21:50:12 UTC
From: Mark <g0usl@blueyonder.co.uk>
Message-ID: <oUZ58.7153$ws1.892425@news1.cableinet.net>
Source record: 7114
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

I bet they have TOTALLY different environmental situations to here in the
uk, Do you realise how hard it is to shoehorn a new node/frequency into the
existing network?
Or are you suggesting that we scrap everything and start a new system?

Mark...

"Carl R. Stevenson" <wa6vse-shack@fast.net> wrote in message
news:3c56c261_2@news7.fast.net...
> -----BEGIN PGP SIGNED MESSAGE-----
> Hash: SHA1
>
>
> "Mark" <g0usl@blueyonder.co.uk> wrote in message
> news:aln58.281$6v.7452@news2...
> > You will never have fast packet.
> > Fast packet would be too costly to be practical
>
> Tell that to the guys in Slovenia who have been running >11 Mbps for
> at least a couple of years.
>
> A further example would be the cost of IEEE 802.11b PCMCIA cards,
> which are going for WELL under $100 street price now.
>
> Fast packet is NOT beyond reach, either in technology or in cost
> for the amateur community.
>
> What seems to me to be lacking is an accurate understanding of
> what is possible.
>
> Carl - wa6vse
>
>
> -----BEGIN PGP SIGNATURE-----
> Version: PGP for Personal Privacy 5.5.3
>
> iQA/AwUBPFbCBpe+N6+q84HiEQLpnQCghRo1EaMp+zpbCCr96ABcM2pOUDgAoK80
> HPPbRwi2DrFlXxZDUsvrxUc/
> =leCX
> -----END PGP SIGNATURE-----
>
>
>

241. Re: Comment - why would one want to??? (was Re: Request for Comment - New TNC design)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-30 23:51:14 UTC
From: Guillaume Filion <gfk@logidac.com>
Message-ID: <gfk-5F09DE.18511430012002@news.videotron.net>
Source record: 7115
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

In article <t%I58.4211$gx3.187368@news1.east.cox.net>,
"Bishop Bradley" <bb@nile.org> wrote:

> Hams no longer want to duplicate the internet. Trying to interest
> a Ham in high speed megabit wireless is a no gain exercise.
> Hams don't want another internet. They want to use GPS and
> voice, or other low bandwidth information. They don't want to
> email or ftp.

I had a discussion with my father (an old time HAM - VE2EJF) weither ham radio was dead, in fact he was trying to convince me to take a ham radio license. He was saying that while this is true that cellular phones and Internet made two major parts of the ham world (mobile voice communications and very long range communication) obsolete, ham radio had still a great potential: mid range high speed Internet.

Existing cheap wireless ethernet only has a small range (100-300 feet) and you need to buy expensive equipment for mid range (15-30 miles) wireless networks.

I personally think that this could make ham radio very popular again: this could solve the last-mile problem with high-speed Internet; this would be a great incentive for geeks to get their ham radio license.

I'm a 3rd year Computer Engr. student and I'm mainly interested in computer programming; but knowing that I could make a mobile high speed (2-5 Mbps) computer network by taking my ham radio license really makes me want to do it.

BTW, you can get a GPS receiver for 200$ and you can get voice and low bandwidth communications with a 50$/month PCS; you don't need a ham radio license to do this. I always believed that ham radio was about doing more than the commercial equivalent could do.

Regards,
GFK's

--
Guillaume Filion
Logidac Tech., Beaumont, Qu&#65533;bec, Canada - http://logidac.com/
PGP Key and more: http://guillaume.filion.org/ (this will redirect)
PGP Fingerprint: 14A6 720A F7BA 6C87 2331 33FD 467E 9198 3DED D5CA

242. Re: APRS & Privacy

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-31 03:11:48 UTC
From: KU4YP <ku4yp@earthlink.net>
Message-ID: <01c1aa04$148a8ce0$ca44bfa8@ku4yp>
Source record: 7116

i have to agree with the earlier post,

if you are worried about privacy, you may not find it in amateur radio or APRS. read the back of your license, "The station shall be identified by the call sign specified herein and shall be available for inspection upon request by an authorized Commission representative."

that sounds an awful lot like, " don't need a search warrant, we can violate your fifth ammendment rights anytime we want." it seems as if privacy is not a major concern.

73 de KU4YP
Mike Prevatt
Willow Oak, Florida

243. Aprspoint plus MapPoint for only $109.95

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-31 03:52:22 UTC
From: Michael <hkc2001@pacbell.net>
Message-ID: <Wb368.40648$XE6.3999725636@newssvr21.news.prodigy.com>
Source record: 7117

Aprspoint is available as a complete solution now, with MapPoint 2002 included. Aprspoint is an implementation of the latest APRS standards, and MapPoint offers high quality detailed street level coverage for North America and Europe. Now you can get both and do APRS in addition to address searching, route planning in one integrated interface. The package is very affordable, Aprspoint Plus MapPoint 2002 costs $129.90. And first 500 orders get an additional $20 off!. Check out the details at www.aprspoint.com. Thanks.

244. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-31 08:24:21 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <jlrh5ug10h3ilse30qms112qqm809npiuq@4ax.com>
Source record: 7118
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

On Wed, 30 Jan 2002 21:45:11 GMT, "Mark" <g0usl@blueyonder.co.uk>
wrote:

>You will have small pockets of specialist packet users in some areas. But
>unless someone produces a magic way of making tncs AND radios cheaply that
>conform to 12.5 KHz channels AND speeds of 9k6 and up

Apparently there has not been sufficient demand for such devices,
otherwise, there would be competing models to the Kenwood HT+TNC combo
from other major ham radio manufacturers and thus, a reduction in the
prices.

To be realistic, there are people who are interesting in homebrewing
their ham radio gear and there are people interesting in networking,
but the number of people who are interested in both subjects is quite
low. To activate those interested in networking but not interested in
homebrewing (or those not confident in their SMD assembly skill),
clearly commercially available units are required. But as I said,
there does not seem to be enough interest in order to attract hardware
vendors.

Such low speeds (1200/9600) are perfectly suitable for many portable
activities, such as APRS and voluntary search and rescue operations in
the wilderness or monitoring the DX-cluster everywhere. For such
operations, it is important to be able to quickly set up the station,
so something like a laptop+HT or even a standalone unit would be
preferable.

Any larger data rates require a more or less fixed user stations, so
that directional antennas can be used to avoid the problems due to
long distances due to the low ham density. At higher data rates the
severe problem of multipath must be addressed in some way. It is not
possible to just use the traditional modulation methods (FSK/PSK) on
narrow channels (10-100 kHz), but instead use TDMA, DSSS or COFDM to
multiplex multiple channels on a wider frequency range.

Unfortunately, none of the old equipment is usable, so you would have
to start from scratch and worst of all, this would require some new
thinking (which unfortunately is a rarity :-) within the ham
community.

Paul OH3LWR

245. Mac Ham Software

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-31 10:31:55 UTC
From: John Seney <wd1v@mediaone.net>
Message-ID: <wd1v-57CAC1.05342731012002@news.ne.mediaone.net>
Source record: 7119

http://www.qsl.net/wd1v/Page7.html

73,

John, WD1V

246. Re: Comment - why would one want to??? (was Re: Request for Comment - New TNC design)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-31 15:14:06 UTC
From: "Carl R. Stevenson" <wa6vse-shack@fast.net>
Message-ID: <3c59612b_1@news7.fast.net>
Source record: 7120
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

"Bishop Bradley" <bb@nile.org> wrote in message
news:t%I58.4211$gx3.187368@news1.east.cox.net...
> "Carl R. Stevenson" wrote
> >
> > I have to ask again "Why would one want to bother with designing
> > a new "TNC" for 4800 bps???" (for that matter, why would one
> > bother desiging a "TNC," as opposed to a true RF modem
> > and running the "stack" on the PC???)
>
> I don't like the term TNC. It doesn't mean anything anymore, or
> is synonymous with AX.25. Ham radio is done with that as an
> attraction.

I'd go along with that ..

> Let's call it a modem. Digital data in (I don't care how, TTL is
> fine), and audio out (audio that can be interfaced to a radio).

You were doing fine until you said "TTL" and " audio out (audio
that can be interfaced to a radio)."

One of the primary reasons that amateur packet (or amateur
computer-computer) communications has stagnated so badly,
compared to "the real world" is the entire paradigm of interfacing
to radios designed for audio service is so horribly limiting.

[snipped stuff about 4800 and 9600, since I think such slow
rates are essentially a waste of time and bandwidth]

> Part15 devices running 11 Mbps have no value to a Ham. It's
> an unlicensed commercial design, and operates outside of the
> Ham bands.

Not so ... devices built to the IEEE 802.11b standard operate
at 2.4 GHz and cover our allocation there (and then some ...
you have to select a channel which falls in our band) ... other
than that, I see no particular problem with applying them directly.

> Hams no longer want to duplicate the internet. Trying to interest
> a Ham in high speed megabit wireless is a no gain exercise.
> Hams don't want another internet. They want to use GPS and
> voice, or other low bandwidth information. They don't want to

> email or ftp.

I do ... I can see tremendous value in providing an alternative
network that's not dependent on the wired infrastructure of
POTS dialup, DSL, cable modems, etc.

Imagine the public service/disaster value of being able to tell
the local emergency management agency "Your computer
connectivity to the outside world is down? Gee, we're sorry
to hear that, but if you'll let me attach this box here to your
Ethernet LAN, I can give you at least a T1 equivalent or more."

Also ... packet, as it now exists, has lost its appeal because it
can't compete with even a V.90 dialup to your local ISP for things
like messaging, file transfers, etc. If it could surpass that and
equal, or even exceed DSL and cable offerings, more people
would (I believe) find the use of the radio option more appealing.
(as is is now, it's so painfully slow that it's downright boring and
frustrating)

73,
Carl - wa6vse

-----BEGIN PGP SIGNATURE-----
Version: PGP for Personal Privacy 5.5.3

iQA/AwUBPFlfOJe+N6+q84HiEQIC/wCfdDgSfA6L/xO8RNRm1j5VdI/PFi0AoIkx
V5sX4gcTOYot5+Fw+FIuZfG1
=W41R
-----END PGP SIGNATURE-----

247. Re: Comment - why would one want to??? (was Re: Request for Comment - New TNC design)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-31 15:20:58 UTC
From: "Carl R. Stevenson" <wa6vse-shack@fast.net>
Message-ID: <3c5962c2_1@news7.fast.net>
Source record: 7121
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

```
-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

"Walt Davidson" <walt99@tiscali.co.uk> wrote in message
news:joff5u4u8ofqafqbkmcan94152fl7tmvl6@4ax.com...
> On Wed, 30 Jan 2002 02:37:13 GMT, "Bishop Bradley" <bb@nile.org>
> wrote:
>
> >I don't like the term TNC. It doesn't mean anything anymore, or
> >is synonymous with AX.25. Ham radio is done with that as an
> >attraction.
> >
> >Let's call it a modem.
>
> A modem is not the same thing as a TNC. A TNC *contains* a modem,
but
> contains a lot of additional features as well, in the form of
hardware
> and software to control your station.

Agreed, Walt ... but most of that additional hardware and software
is/could_be/should_be rendered obsolete by software (including
the existing TCP/IP stack) on your PC ... all it does is provide an
arcane user interface designed for the "dumb terminals" of years
ago and increase the cost and complexity of a low performance
device.

Carl - wa6vse

-----BEGIN PGP SIGNATURE-----
Version: PGP for Personal Privacy 5.5.3

iQA/AwUBPFlg1pe+N6+q84HiEQJQ1wCeOQgktSLlu5CqYwkcNMf0YsD8gLcAoO6V
a1k/7RuKH/E/xzC0YdvNp7xL
=lapK
-----END PGP SIGNATURE-----
```

248. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-31 15:55:28 UTC
From: "Carl R. Stevenson" <wa6vse-shack@fast.net>
Message-ID: <3c596ac5_2@news7.fast.net>
Source record: 7122
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

"Mark" <g0usl@blueyonder.co.uk> wrote in message
news:oUZ58.7153$ws1.892425@news1.cableinet.net...
> I bet they have TOTALLY different environmental situations to here
in the
> uk, Do you realise how hard it is to shoehorn a new node/frequency
into the
> existing network?
> Or are you suggesting that we scrap everything and start a new
system?

Not exactly scrap it outright overhight, but essentially yes ... I'm
suggesting
that systems with large improvements (and I don't mean 4800 or 9600
...
I mean much faster) be phased in rapidly. Ultimately, yes, the
existing
systems will end up being scrapped. It probably should have been done
a number of years ago, but that's water under the bridge.

As an example ... are you still running an 8088-based PC and and
early version of DOS?

I doubt it ... significant advances in technology have made it
possible
to have much faster CPUs and (some will probably disagree :-) more
user-friendly operating systems at affordable costs.

The same level of advancement has taken place in digital
communications
in "the real world" ... but the ham community has remained stuck in
the
DOS-equivalent time-frame, technology-wise.

Carl - wa6vse

-----BEGIN PGP SIGNATURE-----
Version: PGP for Personal Privacy 5.5.3

iQA/AwUBPFlo5Ze+N6+q84HiEQLr0QCgvNvboZq6nQwOC5CVsekjmg6BTusAoOCx
osibBgNY8DHdzlD5O4ml1A13
=azYN
-----END PGP SIGNATURE-----

249. Re: Comment - why would one want to??? (was Re: Request for Comment - New TNC design)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-31 17:02:08 UTC
From: "Carl R. Stevenson" <wa6vse-shack@fast.net>
Message-ID: <3c597a79_1@news7.fast.net>
Source record: 7123
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

```
-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

"D. Stussy" <kd6lvw@bde-arc.ampr.org> wrote in message
news:Pine.LNX.4.44.0201302116080.13001-100000@exp.bde-arc.ampr.org...
> On Tue, 29 Jan 2002, Carl R. Stevenson wrote:
> >-----BEGIN PGP SIGNED MESSAGE-----
> >Hash: SHA1
> >
> >"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
> >news:slrna5e16i.bn.nomail@linux.pe1chl.ampr.org...
> >> Paul Keinanen <keinanen@sci.fi> wrote:
> >>
> >> >Unfortunately many ham radios require quite a while before the
PLL
> >is
> >> >stable and the transmitter has been turned on (several hundred
> >> >milliseconds). On 1200 bit/s AX.25 this is not a problem, since
the
> >> >largest frame takes more than 2 seconds to transmit, while at
9600
> >> >bit/s, the longest frame takes less than 300 ms and a shorter
frame
> >> >even less. Even with a window size of 7, the TxDelay will
consume
> >> >quite a lot of the channel capacity.
> >>
> >>
> >Pardon me, but "Gag!!!!"
> >
> >Several hundred milliseconds for a PLL to settle? That's AWFUL!!!
> >
> >The chipsets I designed for $50 (retail) cordless phones
> >several years ago would lock and settle the PLL on a jump from
> >one end of the 902-928 MHz band to the other (~ a 26 MHz step ...
> >the settling time was faster for smaller steps) in 250
*micro*seconds,
> >worst case. (This was settled within less than 5 kHz, and the
> >remaining
> >settling of the last "ringing" was completed in another cycle or
two
> >of the reference frequency to essentially "dead-on stable.") This
```

> >lock/settle time/accuracy was adequate for good deomodulator
> >performance with the modulation used ... in this case orthogonal
BFSK
> >with +-80 kHz shift for 160 kbps burst rates on the channel.
>
> Granted that the amateur stuff could still be slow, but there's
another factor
> here: Your cordless phones put out less power than amateur
equipment. For
> usable communications, the signal out the FINALS must be stable, and
the higher
> the power, the longer it takes for the signal to ramp up to that
output level
> from zero. Nothing is "instant on." Now, a fair comparsion would
be of FINAL
> signals, or of VCO lock (in the driver circuit where the power level
is more
> likely to be approximately equal).

One of the phones based on the chipset I mentioned put out 1/4W.
The TX/RX time, including PA ramp was small compared to the
PLL settling time ... thus I would still maintain that several
hundred
milliseconds turn-around time sucks.

The point that someone made about part of this being (in voice
radios) due to restricting loop filter bandwidth so the VCO can be
modulated on TX is true, but that's just another compelling argument
against continuing to try to stuff data through radios that were
designed for FM voice.

Carl - wa6vse

-----BEGIN PGP SIGNATURE-----
Version: PGP for Personal Privacy 5.5.3

iQA/AwUBPFl4jZe+N6+q84HiEQJrDgCgmCijafMguauAq/QygPtjXRszc94Anih7
OzfBgmjw3OPOhHuZ2fZtNGpK
=c8tr
-----END PGP SIGNATURE-----

250. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-01-31 17:57:25 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3C598585.D6CF7D0E@crosslink.net>
Source record: 7124
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

"Carl R. Stevenson" wrote:
>
> As an example ... are you still running an 8088-based PC and and
> early version of DOS?
>

Well (wink) I do have a TRS-80 Portable in the attic that I was thinking
of reactivating for packet. Cheers,
KA3DWW

251. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-01 08:32:50 UTC
From: Alexander Kurpiers <a.kurpiers@nt.tu-darmstadt.de>
Message-ID: <3C5A52B2.EF57EB87@nt.tu-darmstadt.de>
Source record: 7125
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

"Carl R. Stevenson" wrote:
> Not exactly scrap it outright overhight, but essentially yes ... I'm
> suggesting
> that systems with large improvements (and I don't mean 4800 or 9600
> ...
> I mean much faster) be phased in rapidly. Ultimately, yes, the
> existing
> systems will end up being scrapped. It probably should have been done
> a number of years ago, but that's water under the bridge.

This is not easy at all. Doing direct FSK modulation is easy, the hardware is available and we don't have to care much about the power amplifiers as they can be non-linear.

On the other hand (at least here in Germany) we have to care about spectrum usage. Eg. on 1.3GHz we have 50kHz wide channels allocated for packet radio links and on 2.3GHz they are 250kHz wide. With binary FSK this gives you about 20kbit/s or 100kbit/s, which is not really much faster than the 4800bit/s you mention.
We could go for M-FSK which makes things a lot more complicated, or we can go for PSK/QAM. But this demands highly linear power amplifiers... (we modified the "famous" 15W PA module for class-A operation and were able to get about 2-3W out for filtered QPSK...).
The MBit/s everybody dreams of are not achievable in this tight bandwidth. And it is no option to "just do it" like the Slovenian Hams do it. For them it may be ok to have a 1MBit/s link need 5MHz bandwidth, but that is definitly not the case in a highly populated area in Germany where you have only limited bandwidth (and probably also not in the US).

Spread Spectrum does not really help, it only makes bandwidth allocation a bit easier (so you don't need to "plan" the usage of the frequency spectrum). I predict that in 2 years from now latest you can't operate a 2.4GHz wireless link for over 500 meters anymore in a lot of areas because the band is "crowded". We did a test with 3 802.11b WLAN adapters in one room and they simply won't work... 2 were ok, the 3rd one needed an antenna seperated from the others.

So until someone invents something that is as easy to use as the technology we have now, we have to face the fact, that we will have to stick to the speeds we have now.
(plus of course the fact that the people how may invent this technology are not interested in packet radio anymore)

73' Alexander DL8AAU/AB0CF

--
Alexander F. Kurpiers | Voice: +49-6151-162369
Institut fuer Nachrichtentechnik | Fax : +49-6151-165545
Merckstrasse 25 | EMail: a.kurpiers@nt.tu-darmstadt.de
D-64283 Darmstadt (Germany) | Hamradio: dl8aau@db0ais.#hes.deu.eu

252. list of all the irlp nodes connected to repeaters

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-01 09:31:58 UTC
From: g3zhi@hotmail.com
Message-ID: <3c5c5f9c.4975684@news.btinternet.com>
Source record: 7126

http://www.qsl.net/g3zhi

IRLP Network
Total Nodes Active Idle In Calls Down Offline
330 330 243 31 45 11

IRLP Node codes and locations:
This page will reload automatically in 300 seconds
Sorted by: Number
Node ID Callsign City Prov./St. Local Time Status
100 VE7RHS Vancouver BC 00:46 AM IDLE
101 VE7URG Vancouver BC 00:46 AM DOWN
102 VE7RNA Chemainus BC 00:46 AM VK2RAG
103 VE7VIC Victoria BC 00:46 AM IDLE
104 VE7RMT Victoria BC 00:46 AM IDLE
105 VE7RVN Vernon BC 00:46 AM IDLE
106 VA7OKN Vernon BC 00:46 AM DOWN
107 VE7MFS Coquitlam BC 00:46 AM DOWN
108 VE7TSI Kamloops BC 00:46 AM IDLE
109 VA7MAR Mackenzie BC 00:46 AM IDLE
110 VE7RGF Grand Forks BC 00:46 AM IDLE
111 VE7BHI Port Alberni BC 00:46 AM DOWN
112 VE7KU Port Alberni BC 00:46 AM IDLE
113 VA7LPG Nanoose Bay BC 00:46 AM IDLE
114 VA7HAM Penticton BC 00:46 AM DOWN
115 VE7REE Penticton BC 00:46 AM IDLE
116 VE7RAP Comox BC 00:46 AM IDLE
117 VE7RIA Victoria BC 00:46 AM REF2
118 VE7PQD Parksville BC 00:46 AM IDLE
119 VE7UHF Richmond BC 00:46 AM IDLE
120 VE6RPT Calgary AB 01:46 AM IDLE
121 VE7DQC Prince Rupert BC 00:46 AM IDLE
122 VE6TE Red Deer AB 01:46 AM IDLE
123 VE6ZV Calgary AB 01:46 AM IDLE
124 VE6SBR Edmonton AB 01:46 AM IDLE
125 VE7FFF Prince George BC 00:46 AM IDLE
126 SARA Province Wide AB 00:46 AM IDLE
127 VA6IRL Lethbridge AB 01:46 AM IDLE
128 VE6MPR Banff AB 01:46 AM IDLE
129 VE6WRT Calgary AB 01:46 AM REF931
130 VE6TRC Ft. McMurray AB 01:46 AM DOWN
131 VE6RJZ Canmore AB 01:46 AM IDLE
133 VE5CMR Saskatoon SK 02:46 AM IDLE
134 VE5RAD North Battleford SK 02:46 AM IDLE
135 VE5SKN Saskatoon SK 02:46 AM REF2

136 VE5CC Saskatoon SK 02:46 AM IDLE
137 VE5IOU Prince Albert SK 02:46 AM IDLE
138 VE5MLR Meadow Lake SK 02:46 AM IDLE
139 VE7RJZ Invermere BC 01:46 AM IDLE
140 VA7RDX Vanderhoof BC 00:46 AM IDLE
141 VE7RTS Kamloops BC 00:46 AM IDLE
142 VE7RAM Tappen BC 00:46 AM IDLE
145 VE6PRR Peace River AB 01:46 AM IDLE
146 VE6LGL Grande Prairie AB 01:46 AM REF2
150 VY1RW Whitehorse YT 00:46 AM IDLE
151 VY1RHJ Haines Junction YT 00:46 AM IDLE
155 VE5WM Regina SK 02:46 AM IDLE
157 VE5SCR Swift Current SK 02:46 AM IDLE
160 VE8YK Yellowknife NWT 01:46 AM IDLE
162 VE8NWT Yellowknife NWT 01:46 AM REF4
165 VE4UMR Winnipeg MB 02:46 AM IDLE
166 VE7CAP Cranbrook BC 01:46 AM DOWN
170 VE4SRR Swan River MB 02:46 AM IDLE
175 VE4FFR Flin Flon MB 02:46 AM IDLE
180 VE6MHU Medicine Hat AB 01:46 AM IDLE
185 VE6COM Lethbridge AB 01:46 AM IDLE
186 VE6KJM Airdrie AB 01:46 AM IDLE
190 VE6LT Red Deer AB 01:46 AM IDLE
191 VE7RMR Maple Ridge BC 00:46 AM IDLE
200 VA3LU Thunder Bay ON 03:46 AM IDLE
201 VE9ARZ Fredericton NB 04:46 AM DOWN
202 VE3ULR Toronto ON 03:46 AM IDLE
203 VE1CRA Charlottetown PEI 04:46 AM IDLE
204 VE2CRA Ottawa ON 03:46 AM DOWN
205 VE1NSG Halifax NS 04:46 AM IDLE
206 VE1WRC Amherst NS 04:46 AM IDLE
207 VE1KK New Glasgow NS 04:46 AM IDLE
208 VE1WN Greenwood NS 04:46 AM IDLE
209 VE3BIP Belleville ON 03:46 AM IDLE
210 VE3ADT Toronto (Milton) ON 03:46 AM IDLE
211 VE1WY Lindsay ON 03:46 AM IDLE
213 VE3YYS Ottawa ON 03:46 AM IDLE
214 VE3XTX Owen Sound ON 03:46 AM IDLE
215 VE1BAS Orleans ON 03:46 AM IDLE
216 VE3IRL Toronto ON 03:46 AM IDLE
217 VA3BBB Windsor ON 03:46 AM IDLE
218 VA3EWC Barrie ON 03:46 AM IDLE
219 VE3OAK Oakville ON 03:46 AM IDLE
221 VE3TST Stittsville ON 03:46 AM IDLE
222 VE3KNA Franktown ON 03:46 AM IDLE
223 VA3CTR Markham ON 03:46 AM IDLE
224 VA3BJD Oakville ON 03:46 AM IDLE
225 VE9ACP Fredericton NB 04:46 AM DOWN
226 VE3OVQ Guelph ON 03:46 AM REF2
227 VE3MOT Toronto (downtown) ON 03:46 AM IDLE

228 VE3SEX Almonte ON 03:46 AM IDLE
229 VE3PNO Toronto ON 03:46 AM DOWN
230 VO1KEN St. Johns NF 05:16 AM IDLE
232 VO1BWP Corner Brook NF 05:16 AM IDLE
233 VE3KD Sault Ste. Marie ON 03:46 AM IDLE
235 VO1HHR Grand Falls-Windsor NF 05:16 AM IDLE
236 VO1AAA New Harbour NF 08:46 AM IDLE
240 VE3SUE London ON 03:46 AM IDLE
241 VE3RBM Kitchener ON 03:46 AM IDLE
242 VE3SY Petersburg ON 03:46 AM IDLE
243 VE3WFM Waterloo ON 03:46 AM IDLE
245 VE3RAK Toronto ON 03:46 AM IDLE
246 VE3MUS Huntsville ON 03:46 AM IDLE
247 VE3RPT Toronto ON 03:46 AM IDLE
250 VE3DPL Norwich / Delhi ON 03:46 AM REF2
255 VE2BRR Montreal QC 03:46 AM REF4
256 VE2TPE Baie-Comeau QC 03:46 AM IDLE
257 VE2RJS Montreal QC 03:46 AM DOWN
258 VA2RLP Baie-Comeau QC 04:46 AM IDLE
260 VE3PGC Cornwall ON 03:46 AM REF2
261 VE3EI Cornwall ON 03:46 AM REF1
262 VE3NUU Monkland(Tmp) ON 03:46 AM IDLE
265 VA3MME Omemee ON 03:46 AM IDLE
268 VE3DJD Burlington ON 03:46 AM IDLE
270 VE3ORX Orangeville ON 03:46 AM IDLE
275 VE3KAR Kingston ON 03:46 AM IDLE
277 VE3RWN Bethany ON 03:46 AM IDLE
280 VA3SCR Innisfil ON 03:46 AM IDLE
281 VA3SCR Innisfil ON 03:46 AM DOWN
283 VA3SCR Innisfil ON 03:46 AM DOWN
290 VA3RVU Brampton ON 03:46 AM REF2
300 AH6LE Mt. Angel OR 00:46 AM IDLE
301 WA6SUP Sacramento CA 00:46 AM IDLE
302 WA6LCN Marinwood CA 00:46 AM IDLE
303 KB6THO Pasadena CA 00:46 AM IDLE
304 WA6JFK Los Angeles CA 00:46 AM IDLE
305 KB5DBR Ponca City OK 02:46 AM DOWN
306 AC7DE Helena MT 01:46 AM IDLE
307 WA6TWF Santiago Peak - Orange Cty CA 00:46 AM IDLE
308 WR6AVM Honolulu HI 22:46 PM IDLE
309 KB6JAG Hemet CA 00:46 AM IDLE
310 N6KNW Santa Clarita CA 00:46 AM IDLE
311 K6IOK Auburn CA 00:46 AM IDLE
312 KD6YYJ San Jose CA 00:46 AM IDLE
313 K7OJI Fruitland ID 01:46 AM IDLE
315 WA6RQD Oceanside CA 00:46 AM OFFLINE
316 WA6RQD Oceanside CA 00:46 AM IDLE
317 WD6AWP Huntington Beach CA 00:46 AM OFFLINE
318 W0GFQ Palm Springs CA 00:46 AM IDLE
319 WD8CIK Hollywood CA 00:46 AM IDLE

320 AH6CP Honolulu HI 22:46 PM IDLE
321 W7AOR Las Vegas NV 00:46 AM REF925
322 KH6GMP Kailua Kona HI 22:46 PM IDLE
323 KB7LVC Boise ID 01:46 AM IDLE
324 KB7RSI Las Vegas NV 00:46 AM IDLE
325 N7BFS Spokane WA 00:46 AM IDLE
326 KH7R Henderson NV 00:46 AM IDLE
327 K7SDC Castle Dale UT 01:46 AM IDLE
328 WX7Y Castle Dale UT 01:46 AM REF925
329 W7AOR Las Vegas NV 00:46 AM IDLE
330 N7CK San Manuel AZ 01:46 AM IDLE
331 KA7STK St. George UT 01:46 AM OFFLINE
332 N7GZT Columbia SC 03:46 AM IDLE
333 NV7RM Reno NV 01:46 AM IDLE
334 WR6JPL Pasadena CA 00:46 AM IDLE
335 N0PSR Denver CO 01:46 AM IDLE
337 AB7TJ Minden NV 00:46 AM IDLE
339 WB2BQW New Windsor NY 03:46 AM IDLE
340 KB8JXX Anchorage AK 23:46 PM IDLE
341 KD6GDB Santa Monica CA 00:46 AM IDLE
342 KD6LVP Beaverton OR 00:46 AM IDLE
343 KE6WUK Sunset Ridge / Los Angeles CA 00:46 AM IDLE
344 AH6GR Maui HI 22:46 PM REF4
345 N0SZ Boulder CO 01:46 AM IDLE
346 WA6LA Rancho Palos Verdes CA 00:46 AM DOWN
347 N6ICW Sacramento CA 00:46 AM IDLE
348 WA6LA Rancho Palos Verdes CA 00:46 AM IDLE
349 K6JSI San Diego CA 00:46 AM IDLE
350 K6JSI San Diego CA 00:46 AM DOWN
351 WB6EGR Santa Clarita CA 00:46 AM WB6EGR
352 WB6EGR Burbank CA 00:46 AM WB6EGR
353 K6JXY San Marcos CA 00:46 AM IDLE
354 W6DXX Palm Springs CA 00:46 AM OFFLINE
355 VE6RGP San Diego CA 00:46 AM OFFLINE
356 WB6HII Eureka CA 00:46 AM IDLE
357 N7HQZ Ferndale CA 00:46 AM DOWN
358 WU7Q Sacramento CA 00:46 AM IDLE
361 K6UB Saratoga CA 00:46 AM IDLE
362 KU6V Fremont CA 00:46 AM IDLE
363 KG6EVO Tahoe City CA 00:46 AM IDLE
364 WA6VPL Lompoc CA 00:46 AM IDLE
365 KE6PCV Los Angeles CA 00:46 AM IDLE
366 KD7EFG Murray UT 01:46 AM IDLE
367 N6JVH North Hills CA 00:46 AM DOWN
368 N7LZM Kennewick WA 00:46 AM DOWN
369 N6SEX Sacramento CA 00:46 AM IDLE
371 WA4HND Grand Junction CO 01:46 AM IDLE
372 KH6FV Honolulu HI 22:46 PM DOWN
373 NH6HF Lihue HI 22:46 PM IDLE
374 WB3EHB Camden NJ 03:46 AM IDLE

375 W0KU Golden CO 01:46 AM IDLE
376 N6JVH Los Angeles CA 00:46 AM IDLE
378 WR6HMB Half Moon Bay CA 00:46 AM IDLE
380 AH6JA Hilo HI 22:46 PM IDLE
381 KG6EAO Kapaa HI 22:46 PM DOWN
382 KC7GHT Phoenix AZ 01:46 AM IDLE
383 WB5EKU Los Angeles CA 00:46 AM IDLE
384 K6IXA Atwater CA 00:46 AM IDLE
385 W7FDF Tucson AZ 01:46 AM DOWN
386 WA7SPY Sacramento CA 00:46 AM IDLE
387 K6KCP Sacramento CA 00:46 AM DOWN
389 KG4OKL Huntsville AL 02:46 AM IDLE
394 WA6WDC Sun Valley AZ 01:46 AM DOWN
395 WB6ARE Cedar Park TX 02:46 AM IDLE
396 N6SEX N/A N/A 08:46 AM DOWN
399 WY0X Centennial CO 01:46 AM IDLE
400 WA3KOK Washington DC 03:46 AM IDLE
402 KA2JZO Bordentown NJ 03:46 AM IDLE
403 N2LKV Stony Point NY 03:46 AM IDLE
404 N2CKH Lakewood NJ 03:46 AM REF925
405 N2BJ New Lenox IL 02:46 AM IDLE
406 W1IMD Portland ME 03:46 AM IDLE
408 W2CNY Syracuse NY 03:46 AM IDLE
409 KB2FAF Cortland NY 03:46 AM REF925
410 KF3DY Wellsboro PA 03:46 AM IDLE
411 K0PCG Des Moines IA 02:46 AM IDLE
412 KF6SWL Omaha NE 02:46 AM IDLE
413 WA2ZPX Middletown NY 03:46 AM IDLE
414 WJ2W Terre Haute IN 02:46 AM IDLE
415 N5IUF Dallas/Ft.Worth TX 02:46 AM REF2
416 WB5TUF Houston TX 02:46 AM DOWN
417 WB7RES Caldwell ID 01:46 AM IDLE
418 N4MSE Dallas TX 01:46 AM DOWN
419 N4XQM Atlanta GA 03:46 AM DOWN
420 N4GLB Upstate SC 03:46 AM IDLE
421 W2ISB Liverpool NY 03:46 AM IDLE
423 NJ2FM Hopatcong NJ 03:46 AM IDLE
424 N5CWH Gilbert SC 03:46 AM IDLE
425 WR2ROC Rochester NY 03:46 AM IDLE
426 KD4RAA Raleigh NC 03:46 AM OFFLINE
427 KD4RAA Raleigh NC 03:46 AM IDLE
428 W9ADS Champaign-Urbana IL 02:46 AM IDLE
429 N4HAJ Kinston NC 03:46 AM IDLE
430 N3APP Erie PA 03:46 AM IDLE
431 N3RJC Lansdowne PA 03:46 AM IDLE
432 W1QWT Scituate MA 03:46 AM IDLE
433 K9WZ Plymouth IN 03:46 AM IDLE
435 W9DXN Dixon IL 02:46 AM REF2
436 W1CDO Seattle WA 00:46 AM DOWN
437 W8HDU Lima OH 03:46 AM IDLE

438 W9BCC Wausau WI 02:46 AM REF2
439 KC7ZWG Seattle-Tacoma WA 00:46 AM OFFLINE
440 KC8NCE Grand Haven MI 03:46 AM IDLE
441 N9OIG Union Grove WI 02:46 AM DOWN
442 W9SH Fishers IN 03:46 AM IDLE
444 KB3HF St. Peters MO 02:46 AM IDLE
445 N8DNX Stutsmanville MI 03:46 AM IDLE
446 WB8NXP Southfield MI 03:46 AM IDLE
448 K1IMD Eastern Long Island NY 03:46 AM IDLE
450 N4NEQ Atlanta GA 03:46 AM IDLE
451 KD4Z Orlando FL 03:46 AM REF2
453 K4KSA Tampa Bay FL 03:46 AM IDLE
455 W4DOC Atlanta GA 03:46 AM IDLE
456 NE1H Atlanta GA 03:46 AM OFFLINE
457 WB2WPA Naples FL 03:46 AM IDLE
459 WA1ZVZ Branford CT 03:46 AM IDLE
460 KD4BBM Miami FL 03:46 AM OFFLINE
461 WA1NVC Framingham MA 03:46 AM OFFLINE
463 N9EP Barrington IL 02:46 AM DOWN
464 N5LEZ Electra TX 02:46 AM IDLE
465 KA1UAG West Lebanon NH 03:46 AM IDLE
466 W4RPT Nashville TN 02:46 AM IDLE
467 N9UWE Danville IL 02:46 AM IDLE
468 K1DF Albany NY 03:46 AM IDLE
470 N8OJ Marietta OH 03:46 AM IDLE
471 WB8CXO Akron OH 03:46 AM DOWN
472 W8JL Marietta OH 03:46 AM IDLE
473 K9IP Indianapolis IN 03:46 AM IDLE
474 N2MH West Orange NJ 03:46 AM OFFLINE
475 N8BC Painesville OH 03:46 AM IDLE
476 N3IO Philadelphia PA 03:46 AM IDLE
477 KA3KCJ Downingtown / Mt. Joy PA 03:46 AM IDLE
478 KA3VMA Drexel Hill PA 03:46 AM IDLE
479 K3TAT Media PA 03:46 AM IDLE
482 WA3UMY Lexington Park MD 03:46 AM IDLE
483 N4IRS Stuart FL 03:46 AM REF921
484 N3IO Malvern PA 03:46 AM IDLE
485 W9CEQ Aurora IL 02:46 AM IDLE
486 KE4EUE Chesterfield VA 03:46 AM IDLE
487 K1IMD Riverhead NY 03:46 AM DOWN
488 KG4QAC Tampa FL 03:46 AM IDLE
490 AF4TZ Nashville TN 02:46 AM IDLE
493 W1ET Hanover NH 03:46 AM IDLE
494 N9TSW Des Plaines IL 02:46 AM DOWN
496 N9GPY Culver IN 03:46 AM IDLE
510 G4CUI Sheffield SY 08:46 AM DOWN
512 M1ERS Sheffield SY 08:46 AM IDLE
513 G4BVV Maltby SY 08:46 AM DOWN
514 G0FUO Mexborough SY 08:46 AM DOWN
515 GB3US Sheffield SY 08:46 AM IDLE

520 G4NJI Rotherham SY 08:46 AM IDLE
521 G8UVE Burnley LA 08:46 AM DOWN
522 G4EID Southport MER 08:46 AM IDLE
540 G0XEL Manchester -- 08:46 AM DOWN
600 VK2RBM Sydney NSW 19:46 PM IDLE
601 VK2RMP Wollongong NSW 19:46 PM REF5
603 VK2RMR Mt. Riverview NSW 19:46 PM REF5
604 VK2RTZ Newcastle NSW 19:46 PM IDLE
605 VK2RCZ Sydney NSW 19:46 PM REF5
606 VK2RAG Gosford NSW 19:46 PM VE7RNA
610 VK6RNC Perth W.A. 16:46 PM IDLE
620 VK6RFM Fremantle W.A. 16:46 PM IDLE
621 VK2TTA Wahroonga NSW 19:46 PM IDLE
622 VK2RIC Lismore NSW 19:46 PM IDLE
626 VK2WAG Wagga Wagga NSW 19:46 PM DOWN
630 VK3RGL Melbourne VIC 19:46 PM IDLE
631 VK3HEG Ballarat VIC 19:46 PM IDLE
632 VK3WRM Merbein VIC 19:46 PM IDLE
633 VK3RPU Arthur's Seat VIC 19:46 PM IDLE
635 VK3RMH Melbourne VIC 19:46 PM REF5
639 VK3JED IRLP-Experimental VIC 19:46 PM REF5
640 VK4BAB Ipswich QLD 18:46 PM IDLE
648 VK4RCA Cairns QLD 18:46 PM IDLE
650 VK5UJ Adelaide SA 18:16 PM DOWN
660 VK6AMS Karratha W.A. 16:46 PM IDLE
661 VK6RAL Albany W.A. 16:46 PM REF5
670 VK7AX Ulverstone TAS 19:46 PM IDLE
680 VK8RTE Darwin NT 18:16 PM IDLE
690 ZL3TMB Christchurch NZ 21:46 PM DOWN
691 ZL2LD Masterton NZ 21:46 PM IDLE
700 J73D Roseau Dominica 04:46 AM DOWN
710 J73CS Roseau Dominica 04:46 AM DOWN
712 9Z4CG San Fernando Trinidad 04:46 AM IDLE
750 9Y4AT Valsayn Trinidad 04:46 AM IDLE
760 9Y4SRR San Fernando Trinidad 08:46 AM DOWN
888 KC4USV McMurdo Station -- 21:46 PM IDLE
900 REF900 Vancouver BC 00:46 AM IDLE
910 REF1 Toronto Reflector ON 03:46 AM IDLE
920 REF2 Denver Reflector CO 01:46 AM IDLE
921 REF921 Raleigh NC 03:46 AM IDLE
925 REF925 Las Vegas NV 00:46 AM IDLE
930 REF930 Saskatoon Reflector SK 02:46 AM IDLE
931 REF931 Fredericton NB 04:46 AM IDLE
940 REF4 Yellowknife NWT 01:46 AM IDLE
950 REF5 Sydney NSW 19:46 PM IDLE

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Please send requests for updates/corrections/additions to IRLP Database Admin or database@irlp.net.

253. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-01 18:20:59 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <bjjl5uoh2n1npg4trilodip3fr7hr9m1o5@4ax.com>
Source record: 7127
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

On Fri, 01 Feb 2002 09:32:50 +0100, Alexander Kurpiers
<a.kurpiers@nt.tu-darmstadt.de> wrote:

>On the other hand (at least here in Germany) we have to care about
>spectrum usage. Eg. on 1.3GHz we have 50kHz wide channels allocated for
>packet radio links and on 2.3GHz they are 250kHz wide.

Who invented these channels? Are they legal requirements in Germany,
or just a stupidity that IARU copied from other bands ?

>The MBit/s everybody dreams of are not achievable in this tight
>bandwidth. And it is no option to "just do it" like the Slovenian Hams
>do it. For them it may be ok to have a 1MBit/s link need 5MHz bandwidth,
>but that is definitly not the case in a highly populated area in Germany
>where you have only limited bandwidth (and probably also not in the US).

You must be very lucky to have multiple ATV-repeaters and other
wideband activities in every town, otherwise, I can't see how you will
get crowded amateur bands above 1 GHz :-). In a highly populated area,
there is no need for a service radius of 50..100 km, there are going
to be plenty of users even if the radius is a few kilometers. Just
install the node antenna at some ordinary building (not on a high
tower), thus the frequency can be reused in a nearby town.

>Spread Spectrum does not really help, it only makes bandwidth allocation
>a bit easier (so you don't need to "plan" the usage of the frequency
>spectrum).

This automatic allocation handles the local requirements in different
places with different population and usage patterns more nicely than
any fixed allocation system.

>I predict that in 2 years from now latest you can't operate a
>2.4GHz wireless link for over 500 meters anymore in a lot of areas
>because the band is "crowded".

Why should you be able to use 802.11b WLAN devices for such long
distances in a crowded area, when there are plenty of opportunities to
move the traffic into a wire and thus reuse the frequency. In a less
crowded areas, the background noise levels are lower and longer
distances are possible, exactly where you need it, thus, the system
works just as it should.

Paul OH3LWR

254. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-01 18:46:17 UTC
From: Marco S Hyman <marc@snafu.org>
Message-ID: <x7sn8lm45i.fsf@hana.snafu.org>
Source record: 7128
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

Alexander Kurpiers <a.kurpiers@nt.tu-darmstadt.de> writes:

> because the band is "crowded". We did a test with 3 802.11b WLAN
> adapters in one room and they simply won't work... 2 were ok, the 3rd
> one needed an antenna seperated from the others.

Huh? I've been in rooms with an access point and a dozen or more
laptop users all accessing the net using 802.11b. No real problems.
The cards did need to be told that the access point density was high.

A typical scene at USENIX in Boston last year were 6-8 people sitting
at a table, all with laptops connected to the net via 802.11b. The
AP was several rooms away. All users were within 2 meters of each
other. Again, no problems.

// marc

255. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-01 19:09:32 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna5lpvc.tob.nomail@linux.pe1chl.ampr.org>
Source record: 7129
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

Paul Keinanen <keinanen@sci.fi> wrote:
>On Fri, 01 Feb 2002 09:32:50 +0100, Alexander Kurpiers
><a.kurpiers@nt.tu-darmstadt.de> wrote:

>>On the other hand (at least here in Germany) we have to care about
>>spectrum usage. Eg. on 1.3GHz we have 50kHz wide channels allocated for
>>packet radio links and on 2.3GHz they are 250kHz wide.

>Who invented these channels? Are they legal requirements in Germany,
>or just a stupidity that IARU copied from other bands ?

There is 2 * 1MHz space for links on 23cm in the bandplan, so there are
just 20 channels. When you have seen a linkmap of Germany you will
understand that 20 channels leave very little room to work with. Some
nodes have >10 links to neighbors. The height profile of the country
allows some very long distance links between mountain peaks, while at
the same time there are links from those peaks to nodes in nearby valleys.

Here in the Netherlands the situation is a bit simpler (flat country,
links can only reach about 60-80 km), but still the channels of the
first 23cm link bandplan, with 100 KHz channels, were quickly allocated
and 50 KHz channels required.

(the band is 60 MHz wide, but there is also weak signal DX, FM voice,
repeaters, and a couple of ATV repeaters. and of course the satellite
band. and a large section of the band is unusable due to ATC RADAR)

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

256. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-01 20:58:29 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <urtl5u852ce8hcg7aii89q5iths2qe6v97@4ax.com>
Source record: 7130
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

On 1 Feb 2002 19:09:32 GMT, nomail@pe1chl.ampr.org (Rob Janssen)
wrote:

>>Who invented these channels? Are they legal requirements in Germany,
>>or just a stupidity that IARU copied from other bands ?
>
>There is 2 * 1MHz space for links on 23cm in the bandplan, so there are
>just 20 channels.

The static IARU band plan may be justifiable on HF due to the global
propagation (and satellites on higher bands), but the result of
allocating a sub-band for every thinkable mode is a very inefficient
use of the spectrum. On bands with more limited propagation, such
static band planning does not reflect the local actual usage.

>(the band is 60 MHz wide, but there is also weak signal DX, FM voice,

The combined weak signal, beacon, FM simplex and repeater output cover
a huge 2 MHz.

>repeaters,

The phone repeater inputs cover an additional 0.5 MHz.

>and a couple of ATV repeaters.

Do you have ATV repeaters in every town ?

In fact it might be interesting to use ATV repeaters for some digital
data transfer experiments by imitating the structure of the TV-signal
(remember the ancient Sony PCM-1 add on box that was used to record
digital audio on a standard VCR).

>and of course the satellite band.

Which is 10 MHz wide, of which only a few hundred kHz is actually used
by any satellite receiver.

>and a large section of the band is unusable due to ATC RADAR)

That _should_ not be a problem.

With suitable modulation methods and interleaving and ECC this should
really not be an issue.

Amateurs have quite large microwave frequency allocations and the
reason for this is that on most of these bands amateurs are secondary
users, while radio location (radar) is the primary user and no other

service wants to be on the same band with radar :-). With some ingenuity (noise blankers, code interleaving) amateurs could coexists quite well even with such hostile primary users as radar.

Paul OH3LWR

257. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-02 01:01:39 UTC
From: "Carl R. Stevenson" <wa6vse-shack@fast.net>
Message-ID: <3c5b3f21_1@news7.fast.net>
Source record: 7131
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

```
-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

Paul's comments parallel the response I was going to
make so closely that I'll just say "Me, too!" :-)

Carl - wa6vse

"Paul Keinanen" <keinanen@sci.fi> wrote in message
news:bjjl5uoh2n1npg4trilodip3fr7hr9m1o5@4ax.com...
> On Fri, 01 Feb 2002 09:32:50 +0100, Alexander Kurpiers
> <a.kurpiers@nt.tu-darmstadt.de> wrote:
>
>
> >On the other hand (at least here in Germany) we have to care about
> >spectrum usage. Eg. on 1.3GHz we have 50kHz wide channels allocated
for
> >packet radio links and on 2.3GHz they are 250kHz wide.
>
> Who invented these channels? Are they legal requirements in Germany,
> or just a stupidity that IARU copied from other bands ?
>
>
> >The MBit/s everybody dreams of are not achievable in this tight
> >bandwidth. And it is no option to "just do it" like the Slovenian
Hams
> >do it. For them it may be ok to have a 1MBit/s link need 5MHz
bandwidth,
> >but that is definitly not the case in a highly populated area in
Germany
> >where you have only limited bandwidth (and probably also not in the
US).
>
> You must be very lucky to have multiple ATV-repeaters and other
> wideband activities in every town, otherwise, I can't see how you
will
> get crowded amateur bands above 1 GHz :-). In a highly populated
area,
> there is no need for a service radius of 50..100 km, there are going
> to be plenty of users even if the radius is a few kilometers. Just
> install the node antenna at some ordinary building (not on a high
> tower), thus the frequency can be reused in a nearby town.
>
> >Spread Spectrum does not really help, it only makes bandwidth
```

allocation
> >a bit easier (so you don't need to "plan" the usage of the
frequency
> >spectrum).
>
> This automatic allocation handles the local requirements in
different
> places with different population and usage patterns more nicely than
> any fixed allocation system.
>
> >I predict that in 2 years from now latest you can't operate a
> >2.4GHz wireless link for over 500 meters anymore in a lot of areas
> >because the band is "crowded".
>
> Why should you be able to use 802.11b WLAN devices for such long
> distances in a crowded area, when there are plenty of opportunities
to
> move the traffic into a wire and thus reuse the frequency. In a less
> crowded areas, the background noise levels are lower and longer
> distances are possible, exactly where you need it, thus, the system
> works just as it should.
>
> Paul OH3LWR
>
-----BEGIN PGP SIGNATURE-----
Version: PGP for Personal Privacy 5.5.3

iQA/AwUBPFs6Q5e+N6+q84HiEQLl+ACg3omfyhAqhy4C8qJs7oj1bubv4eoAoMif
HbP5ceIfY7IsPMB5TP84ecfV
=zouf
-----END PGP SIGNATURE-----

258. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-02 01:05:31 UTC
From: "Carl R. Stevenson" <wa6vse-shack@fast.net>
Message-ID: <3c5b400c_2@news7.fast.net>
Source record: 7132
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

```
-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

Paul ... this is uncanny ... I read a "reason why it won't
work," think of a response, then skip to yours and we're
"on the same page" ... you're saving me a lot of typing :-)

Carl - wa6vse

"Paul Keinanen" <keinanen@sci.fi> wrote in message
news:urtl5u852ce8hcg7aii89q5iths2qe6v97@4ax.com...
> On 1 Feb 2002 19:09:32 GMT, nomail@pe1chl.ampr.org (Rob Janssen)
> wrote:
>
>
> >>Who invented these channels? Are they legal requirements in
Germany,
> >>or just a stupidity that IARU copied from other bands ?
> >
> >There is 2 * 1MHz space for links on 23cm in the bandplan, so there
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> >just 20 channels.
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> The static IARU band plan may be justifiable on HF due to the global
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> allocating a sub-band for every thinkable mode is a very inefficient
> use of the spectrum. On bands with more limited propagation, such
> static band planning does not reflect the local actual usage.
>
> >(the band is 60 MHz wide, but there is also weak signal DX, FM
voice,
>
> The combined weak signal, beacon, FM simplex and repeater output
cover
> a huge 2 MHz.
>
> >repeaters,
>
> The phone repeater inputs cover an additional 0.5 MHz.
>
> >and a couple of ATV repeaters.
>
> Do you have ATV repeaters in every town ?
>
```

> In fact it might be interesting to use ATV repeaters for some
digital
> data transfer experiments by imitating the structure of the
TV-signal
> (remember the ancient Sony PCM-1 add on box that was used to record
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>
> >and of course the satellite band.
>
> Which is 10 MHz wide, of which only a few hundred kHz is actually
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> by any satellite receiver.
>
> >and a large section of the band is unusable due to ATC RADAR)
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> That _should_ not be a problem.
>
> With suitable modulation methods and interleaving and ECC this
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> really not be an issue.
>
> Amateurs have quite large microwave frequency allocations and the
> reason for this is that on most of these bands amateurs are
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> users, while radio location (radar) is the primary user and no other
> service wants to be on the same band with radar :-). With some
> ingenuity (noise blankers, code interleaving) amateurs could
coexists
> quite well even with such hostile primary users as radar.
>
> Paul OH3LWR
>
-----BEGIN PGP SIGNATURE-----
Version: PGP for Personal Privacy 5.5.3

iQA/AwUBPFs7TJe+N6+q84HiEQLnNACdF8VbKbas0atL1TIbV8JQYNgH5LAAnipp
hj9muy/fAIMWUcEg4bixCOea
=IhoY
-----END PGP SIGNATURE-----

259. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-02 01:14:24 UTC
From: "Carl R. Stevenson" <wa6vse-shack@fast.net>
Message-ID: <3c5b4227_1@news7.fast.net>
Source record: 7133
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

These guys should see a plenary of IEEE 802.11
... literally hundreds folks in several adjacent, huge
hotel ballrooms, sitting as you say, right next to each
at tables with their notebooks, banging away doing
downloads of the meeting documents, running e-mail
through VPNs, etc.

And while that's going on, there may be people sitting
outside the meeting rooms with their notebooks in
the lobby/atrium/or restaurant ... whatever the area's called,
and they're doing the same thing ...

If the hotel has the large, open central "atrium" layout of
many modern hotels, folks across the way on lower floors
often can access the network APs in the meeting rooms
from their hotel rooms ...

Yes, it does work, and the number of users/density that
it can handle is quite astounding proof of that when you
see it for the first time.

Carl - wa6vse

"Marco S Hyman" <marc@snafu.org> wrote in message
news:x7sn8lm45i.fsf@hana.snafu.org...
> Alexander Kurpiers <a.kurpiers@nt.tu-darmstadt.de> writes:
>
> > because the band is "crowded". We did a test with 3 802.11b WLAN
> > adapters in one room and they simply won't work... 2 were ok, the
3rd
> > one needed an antenna seperated from the others.
>
> Huh? I've been in rooms with an access point and a dozen or more
> laptop users all accessing the net using 802.11b. No real
problems.
> The cards did need to be told that the access point density was
high.
>
> A typical scene at USENIX in Boston last year were 6-8 people
sitting
> at a table, all with laptops connected to the net via 802.11b. The
> AP was several rooms away. All users were within 2 meters of each

> other. Again, no problems.
>
> // marc
-----BEGIN PGP SIGNATURE-----
Version: PGP for Personal Privacy 5.5.3

iQA/AwUBPFs9PZe+N6+q84HiEQJgeACfT6FnzquHCm4K7aZBH+m3LXYxTvQAoK0C
2xzdcEXR805ejpix8/toLMB8
=AcVK
-----END PGP SIGNATURE-----

260. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-02 10:50:33 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna5nh3p.130.nomail@linux.pe1chl.ampr.org>
Source record: 7134
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

Paul Keinanen <keinanen@sci.fi> wrote:
>On 1 Feb 2002 19:09:32 GMT, nomail@pe1chl.ampr.org (Rob Janssen)
>wrote:

>>>Who invented these channels? Are they legal requirements in Germany,
>>>or just a stupidity that IARU copied from other bands ?

>>There is 2 * 1MHz space for links on 23cm in the bandplan, so there are
>>just 20 channels.

>The static IARU band plan may be justifiable on HF due to the global
>propagation (and satellites on higher bands), but the result of
>allocating a sub-band for every thinkable mode is a very inefficient
>use of the spectrum. On bands with more limited propagation, such
>static band planning does not reflect the local actual usage.

OTOH it makes it more likely that amateurs can inter-operate during
periods of better propagation. e.g. SSB and CW users often can tune
over a limited range (limited by their typical transverter+lower band
transceiver setup) so it is good when they all meet at the same QRG.

Also, the primary (or other secundary) users of the bands often want to
have a say in the placement of permanent or unmanned transmitters. The
band planning of repeaters and packet links is coordinated with the
authorities, although in most countries more like "you cannot put repeaters
at this band segment" than the other way around.

>>(the band is 60 MHz wide, but there is also weak signal DX, FM voice,

>The combined weak signal, beacon, FM simplex and repeater output cover
>a huge 2 MHz.

>>repeaters,

>The phone repeater inputs cover an additional 0.5 MHz.

>>and a couple of ATV repeaters.

>Do you have ATV repeaters in every town ?

Not in every town, but yes, we have ATV repeaters in or nearby many
cities. I think there are about 10 of these in our small country.

And you must not under-estimate todays ATV repeaters!
The one in the neighborhood here, which is mid-range when compared to
others, has:

- two transmitters on 3cm
- two user receivers on 3cm, two on 13cm, one on 23cm
- several receivers for receiving other repeaters and sysop links
- telecommand and audio talkback receivers on 2m and 70cm (and 23?)

In fact they are more complicated than most packet node / bbs systems.

>In fact it might be interesting to use ATV repeaters for some digital
>data transfer experiments by imitating the structure of the TV-signal
>(remember the ancient Sony PCM-1 add on box that was used to record
>digital audio on a standard VCR).

Well, the ATV repeaters here are far from transparent. They have a
digital multi-picture matrix (which puts all the inputs in one output
as smaller pictures), a teletext inserter, up to 7 analog audio
subcarriers, and a NICAM audio carrier.
The multi-picture unit can be controlled and your own transmission set
to fullscreen, but indeed you would need to mimic a real TV signal
very closely to allow these repeaters to relay it. They aren't like
transponders...

>>and of course the satellite band.

>Which is 10 MHz wide, of which only a few hundred kHz is actually used
>by any satellite receiver.

The local repeater already receives in the 13cm satellite band. When
AO-40 was launched I planned to contact the operators about that, but
now that it is not as successful as it could have been there is no real
problem.

>>and a large section of the band is unusable due to ATC RADAR)

>That _should_ not be a problem.

>With suitable modulation methods and interleaving and ECC this should
>really not be an issue.

>Amateurs have quite large microwave frequency allocations and the
>reason for this is that on most of these bands amateurs are secondary
>users, while radio location (radar) is the primary user and no other
>service wants to be on the same band with radar :-). With some
>ingenuity (noise blankers, code interleaving) amateurs could coexists
>quite well even with such hostile primary users as radar.

Then why would that not be true for other users, who generally are far
ahead of radio amateurs w.r.t. these techniques?

Rob
--
+---------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+---------------------------------+--------------------------------------+

261. 56K packet equipment

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-02 15:03:01 UTC
From: ZZZjim_cronin@juno.comZZZ
Message-ID: <usvn5uskujhdsjks2c2om46krgao33iv49@4ax.com>
Source record: 7135
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.swap

For sale: Paccomm 56K WA4DSY "GRAPES" modem + cable
for PI/2 card. In excellent condition. $275 shipped to lower 48
states.

Also Microwave Modules 10 meter to 222 transverter used with above
items + cables. In excellent condition. Includes extra crystal for
use on 218-219 MHz fixed link band segment. $150 shipped with
purchase of GRAPES modem; will not sell separately until modem is
sold.

Call Jim at 716-381-3102 (evenings before 9 PM) or 716-231-2417 (work)
or email to ZZZjim_cronin@juno.comZZZ
(remove ZZZ on front and back to reply.)

73,
Jim
N2VNO

262. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-02 16:30:59 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <623o5u4iqhljctg2ik94ddhj0er8ltd416@4ax.com>
Source record: 7136
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

On 2 Feb 2002 10:50:33 GMT, nomail@pe1chl.ampr.org (Rob Janssen)
wrote:

>>The static IARU band plan may be justifiable on HF due to the global
>>propagation (and satellites on higher bands), but the result of
>>allocating a sub-band for every thinkable mode is a very inefficient
>>use of the spectrum. On bands with more limited propagation, such
>>static band planning does not reflect the local actual usage.

>OTOH it makes it more likely that amateurs can inter-operate during
>periods of better propagation. e.g. SSB and CW users often can tune
>over a limited range (limited by their typical transverter+lower band
>transceiver setup) so it is good when they all meet at the same QRG.

The two megahertz wide narrow band / weak signal segments (e.g.
1296-1298 MHz) have been created on all microwave bands exactly for
this reason.Those people using these segments are often very
interested of using these rare abnormal propagation conditions.

There are an additional 58 MHz of bandwidth on the 23 cm band, which
could be utilised for various other things. Most wide band users are
more interested in predictable communication and consider those
abnormal propagation conditions often as a nuisance.

>Also, the primary (or other secundary) users of the bands often want to
>have a say in the placement of permanent or unmanned transmitters.

True, but since many systems need a full duplex system, it would be
natural to put the repeater inputs at these frequencies in a high
location, while the users run their transmitters at much lower
locations, thus reducing the risk of interfering with the primary
user. A fixed worldwide or region wide amateur radio band plan would
harm such creativity.

>>Amateurs have quite large microwave frequency allocations and the
>>reason for this is that on most of these bands amateurs are secondary
>>users, while radio location (radar) is the primary user and no other
>>service wants to be on the same band with radar :-). With some
>>ingenuity (noise blankers, code interleaving) amateurs could coexists
>>quite well even with such hostile primary users as radar.

>Then why would that not be true for other users, who generally are far
>ahead of radio amateurs w.r.t. these techniques?

I think that most have noticed how eagerly various manufacturers
create all kind of appliances (e.g. WLAN) running on the "license

free" ISM bands, where they have to tolerate all kinds of interference? In order to be able to operate in such hostile environment, various modulation and coding methods are used to combat the unpredictable interference.

Getting a secondary status for some new service e.g. on a radar band will take years, especially if a worldwide market is planned (due to the slow WRC cycle) and the primary users might protest wildly, thus, developing a radar resistant new service would be a quite risky business.

Paul OH3LWR

263. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-02 18:05:20 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna5oaj0.7rd.nomail@linux.pe1chl.ampr.org>
Source record: 7137
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

Paul Keinanen <keinanen@sci.fi> wrote:
>>Also, the primary (or other secundary) users of the bands often want to
>>have a say in the placement of permanent or unmanned transmitters.

>True, but since many systems need a full duplex system, it would be
>natural to put the repeater inputs at these frequencies in a high
>location, while the users run their transmitters at much lower
>locations, thus reducing the risk of interfering with the primary
>user. A fixed worldwide or region wide amateur radio band plan would
>harm such creativity.

The channels and subbands discussed up to now are for inter-node links.
They are at the band edges, and are used with 59 MHz shift.

For users, there are 3 other bands: two at the edges and one in the
center of the band. They are used with 28 MHz shift, and the channels
are staggered (positive and negative shift) in a manner compatible with
what you write above.

>I think that most have noticed how eagerly various manufacturers
>create all kind of appliances (e.g. WLAN) running on the "license
>free" ISM bands, where they have to tolerate all kinds of
>interference? In order to be able to operate in such hostile
>environment, various modulation and coding methods are used to combat
>the unpredictable interference.

I think that was quite irresponsible and fortunately now the 802.11a
standard systems are appearing that use an allocated band.

Investing in lots of equipment operating in an ISM band is not very
wise, imho... when it is a big success, nobody can use it anymore.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

264. ARNewsline 1277 - Feb 1 2002

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-02 18:22:51 UTC
From: radionews@aol.com
Message-ID: <20020202132251.28179.00001327@mb-ba.aol.com>
Source record: 7138

Amateur Radio Newsline™ Report 1277 – February 1, 2002

Amateur Radio Newsline report number 1277 with a release date of Friday, February 1st, 2002 to follow in 5-4-3-2-1.

The following is a Q-S-T.

The President of the United States speaks to hams in Florida and is ham radio seeing a second Solar Max? These stoies are first on amateur Radio Newsline report number 1277 coming your way right now.

(Billboard Cart Here)

**

BREAKING NEWS: PRESIDENT BUSH COMES TO HAM RADIO

The President of the United States has come to ham radio. Bill Burnett, KT4SB, has the details:

--

President George W. Bush has taken to the ham radio airwaves. This, to thank the Florida Amateur Radio community for being ready to serve the public when it is needed.

The President’s comments were made during a stopover the morning of January 31st at the Volusia County Fire Services and Training Center near Daytona. Around 9:15 AM Eastern Time, President Bush checked in to the Northern Florida Amateur Radio Emergency Service Net on 3.950 MHz using a portable station set up John Schmidt, AF4PU. Then the President made these remarks to the 40 or so stations listening to the net:

--

President George W. Bush:

"I want to thank all the volunteers who help make sure that Florida is prepared for any kind of emergency. I also want to assure you that your Federal government is doing everything we can to make sure that there is not an emergency--starting with unleashing the mighty U.S. military overseas to bring evil ones to justice. But should there be a need for a response, I want to thank you all for helping our communities be prepared. And finally, I want to tell you--we are lucky to be Americans and may God continue to bless this great land of ours. Thank you very much."

--

Needless to say the net members were delighted to have the President of the United States address them. More important, hams nationwide can now be sure that President Bush knows that Amateur Radio operators are ready to serve whenever he, and the nation, needs to call on them for help.

In Miami, I’m Bill Burnett, KT4SB, reporting for the Amateur Radio Newsline.

--

The complete story is on the web at
http://firstcoastcommunity.jacksonville.com/northfloridaamateurradiosocietynofars (Tnx NU4F, CQ Magazine)

**

HAM RADIO SCIENCE: TWO SOLAR MAXIMUMS THIS SEASON

In case you are wondering why the current solar cycle is still providing such amazing VHF and UHF DX, one researcher may have the answer. He says that the current cycle appears to be having a second peak and that this is really not very unusual. Henry Feinberg, K2SSQ, looks at the scientist and his latest data.

--

The most recent and ongoing Solar Maximum -- or Solar Max -- theoretically crested in mid-2000. Sunspot counts were higher than they had been in 10 years, and solar activity was intense. One remarkable eruption on July 14, 2000 caused brilliant auroras as far south as Texas. But after that, sunspot counts slowly declined and the Sun was relatively quiet for month-long stretches. Most scientists said that the Solar Max was over. But was it?

Now, as 2002 unfolds, the National Aeronautics and Space Administrations solar foorecasters say that it looks as if the Solar Max is back with us again. The Sun is again peppered with spots, eruptions are frequent and hams notice that the VHF DX keeps rolling in.

Why is this happening? Well David Hathaway, a solar physicist at the NASA Marshall Space Flight Center in Huntsville Alabama has one theory. Hathaway says that the current solar cycle appears to be double-peaked, and the second peak has arrived.

--
Hathaway Audio Here
In-Q: We have seen other cycles...
Out-Q: ...define this maximum
--

Scientists track solar cycles by counting sunspots and Hathaway is an expert forecaster of sunspot numbers. He says that sunspot counts peaked in 2000 some months earlier than we expected. He says that the subsequent dip toward solar minimum seemed premature and before long, sunspot counts reversed course and began to climb toward a second maximum that now appears to be only a few percent smaller than the first.

--
Hathaway Audio Here
In-Q: Its a bigger than average...
Out-Q: ...smaler than 19, 21 and 22.
--

Hathaway notes that there is a widespread misconception that solar activity varies every eleven years like a pure sinusoidal wave. It isn't. He says that solar activity is chaotic and there can be more than one peak in any given period. Translated for ham radio: Enjoy the VHF DX while you can.

For the Amateur Radio Newsline, Henry Feinberg, K2SSQ.

--

Hathaway says that the Solar Max eleven years ago was much the same as this one. The first peak arrived in mid-1989 followed by a smaller maximum in early 1991. And if you are interested in hearing more about this interesting phenomena from David Hathaway its as easy as taking your web browser over to www.rainreport.com. Or you can call on the phone to area code 847-827-7246. (NASA, RAIN)

**

HAM RADIO IN SPACE: HF ANTENNA INSTALLED ON ISS

High Frequency ham radio operations from the International Space Station could be on the not to distant horizon. This, after a successful space walk on January 25th to install another antenna on the orbiting outpost. Amateur Radio Newsline's Roy Neal, K-6-D-U-E, has the details.

--

The spacewalkers have had another good day in space. On Friday the 25th of January, Cosmonaut Yuri Onufrienko, RK3DUO and Astronaut Dan Bursch, KD5PNU, successfully mounted a second ham radio antenna near a docking port amidships on the International Space Station. It is made of flexible tape and is similar to but longer than another antenna installed on January 14th. That one tunes both VHF and UHF frequencies. The new antenna will tune HF frequencies.

ARISS Board Chairman Fran Bauer, KA3HDO, says it definitely will work on ten meters and may even be made to work on 15 and 20 meters. BUT right now there is no gear on board to handle those frequencies. Experiments using the lower frequencies are on the list of futures for ARISS but no timetable has been assigned to design and build them.

Owen Garriott, W5LFL, the first man to operate ham equipment in space, once prophesied that a five watt transmitter in orbit might well be heard simultaneously world wide. The great number of hams with good stations on the lower frequencies also makes them enticing to ARISS. It's a safe bet that serious consideration now is being given to expedite such a project. Once a station is sent up, the antenna will be waiting.

The new antenna is the second of four to be installed on board the space station. No timetable has been announced for the final installation. All of

these amateur antennas were built by Italy, tested and qualified in the US, to fit ports built by Russia, as befits the international nature of the ISS.

For the Amateur Radio Newsline, Roy Neal, K6DUE

--

Installation of the 2.5-meter long flexible tape antenna involved not only the mechanical deployment but routing cables and establishing the R-F connection as well. (ARISS)

**

HAM RADIO IN SPACE: THAT ANNOYING SATELLITE IS OFF 2 METERS

An annoying mystery satellite transmitting AFSK, frequency modulated Morse on 144.100 MHz for several days has been identified. It turned out to be a signal from the MAROC-TUBSAT satellite. This is an Earth-sensing spacecraft owned by a Moroccan government agency called he Royal Center for Remote Sensing. It was placed into a polar orbit by a Russian launcher on December 10, 2001.

As soon as he learned of the interference to amateur operations, Professor Udo Renner of the Center had the 144.100 MHz transmitter turned off. He then notified AMSAT Germany that TUBSAT was no longer on two meters.

But TUBSAT also has a downlink at 436.075 MHz. This system is only busy over North Africa and Europe and only when the control stations in Rabat and Berlin are activated. It has not been heard elsewhere in the world. (AMSAT-NA)

**

Break 1

From the United States of America, we are the Amateur Radio Newsline, heard on bulletin stations around the world including the Pentucket Radio Club repeater serving Groveland Massachusetts

(5 sec pause here)

**

SPECTRUM PRESERVATION: ARRL SAYS IT WILL FIGHT TO KEEP RFID OFF 70 CM

The ARRL says that it will go all the way to protect the 70 centimeter ham band from a threat brought by commercial interests. At issue is a plan from SAVI Technology and already tentatively agreed to by the FCC to deploy unlicensed transient R-F identification tag transmitters operating between 425 and 435 MHz. These tags run at much higher field strengths and duty cycles than Part 15 rules now permit.

According to a League bulletin issued on January 29th, ARRL officials have already met with members of the FCC staff as part of the League's effort to stave off a band threat. The bulletin says that General Counsel Chris Imlay, W3KD, and ARRL Technical Relations Manager Paul Rinaldo, W4RI, delivered an ex parte presentation to FCC Office of Engineering and Technology staffers January

14th outlining the opposition of the ham radio community. (ARRL)

**

FCC: CHAIRMAN POWELL HOME AFTER HOSPITAL TESTS

Federal Communications Commission Chairman Michael Powell was discharged from the hospital on Friday January 25th. This, after a two-night stay in the to undergo tests because of a lingering stomach bug.

Stomach discomfort caused him to cancel appearances at the Consumer Electronics Show in Las Vegas on January 8th and again at the annual conference of the National Association of Television Program Executives on Wednesday January 23rd. Doctors advised precautionary tests that required overnight stays at Walter Reed Army Medical Center in suburban Washington. (Published news reports)

**

ENFORCEMENT: THAT SONG WAS NOT AS BAD AS WE THOUGHT

The Federal Communications Commission has dropped an indecency fine against a Colorado radio station. KKMG FM of Colorado Springs had been fined seven-thousand dollars for airing the edited version of Eminem's "The Real Slim Shady." This, after a listener wrote the regulatory agency to complain.

At the time the fine was issued federal regulators said the edited version still included some expletives and references to violence and graphic sex. But the FCC now says it has reconsidered. It now says that the lyrics in the edited version didn't violate its rules by being "patently offensive." (FCC)

**

RESCUE RADIO: BRAZIL RADIO OPERATORS HELP IN POWER OUTAGE CRISIS

A major electricity blackout hit at least five Brazilian states on January 21st, and it was hobby radio enthusiasts that let people know about it.

The blackout, which began at 1:30 p.m., hit hardest in the industrial southeast and the major cities of Sao Paulo, Belo Horizonte, Rio De Janeiro, Goiania, Vitoria and the capital, Brasilia.

According to news reports, Brazil’s National Energy Agency blamed the outage on transmission line failures. The same news report credited Brazilian hobby radio operators as informing authorities that subways in Rio De Janero and Sao Paulo were halted and that traffic lights were out snarling commuters in several areas.

The outage was caused by a failure at the Itaipu hydroelectric station in southwestern Brazil. A power-line failure caused thirteen of the dam's eighteen turbines to stop, cutting off nearly 20 percent of the country's energy. Power was restored about three hours later. The news story did not identify the radio operators as being hams. (Various shortwave news reports)

**

RESCUE RADIO: NEW INTER-JURISDICTION RADIO SYSTEMS BEING INTRODUCED

Santa Clara County California, police, fire and emergency medical personnel have never been able to communicate with one another at the scene of a major disaster. This is because each agency uses a separate radio system. That is expected to change this year.

Santa Clara County will be leading the nation in using new digital radio technology to solve the inter-agency communications problem. The new system will allow up to eighteen participating jurisdictions in any county to talk to one another instantly.

By way of example, once the system is up and running, officers involved in one of California's famed high-speed car chase will be able to talk directly to police in the neighboring jurisdiction as the suspect approaches that town. They won't have to switch channels or go through dispatch centers. This means less time wasted and the probability that lives will be saved.

While Santa Clara county is at the head of the pack in adopting this new digital communications technology, the same news reports say that and Washington, D-C is not far behind. (Cal-State Info.)

**

PUBLIC RELATIONS: A CHEAP SATELLITE

A Cheap Satellite is the name of an Associated Press item that highlighted the work of the faculty and students at the United States Naval Academy in the development and launch of the P C Sat ham radio satellite. The story tells how the twenty-five pound bird was built using off the shelf products including a tape measure for its antenna and rechargeable double A cell batteries for power.

The story was written by Tom Stuckey and moved on the wire on Wednesday January 23rd. It noted that PCSat, was the 44th amateur satellite put in orbit. It is one of more than a dozen built by university students around the world. (VHF Reflector)

**

CONVENTIONS & HAMFESTS: ORLANDO HAMCATION WEAK SIGNAL FORUM

The Orlando HamCation will host its first ever Weak Signal VHF and UHF forum. Beginning at 2 p.m. on Saturday Ferbruary 9th, the one hour session will be moderated by N2CEI, of Down East Microwave. Also, Tom Haddon, K5VH, will be on hand to motivate more Florida hams to become active on the Microwave bands.

If you are in the Orlando Florida area on February 8th to the 10th drop in on the Orlando Hamcation. For more details and or advance reservations, go to oarc.org/hamcat.html on the World Wide Web (W2BZY)

**

CONVENTIONS & HAMFESTS: DATE CHANGE FOR RADIOFEST 2002

Brian Broggie, W6FVI, asks that we pass along a date change for RadioFest 2002 sponsored by the Naval Post Graduate School Amateur Radio Club in Monterey California. The new date is February 23rd. More information is in cyberspace at k6ly.org/radiofest. (W6FVI)

**

BREAK 2

Here when you need us 52 weeks a year. We are the Amateur Radio Newsline, with links to the world from our only official website at www .arnewsline.org.

(5 sec pause here)

**

HAM RADIO SCHOLARSHIPS: THE DARA SCHOLARSHIPS

The Dayton Amateur Radio Association is one of three ham radio organizations seeking nominations for its scholarship program for the 2002-2003 academic year. According to DARA, applicants must be graduating high school seniors in 2002 and hold any class of an FCC issued mateur Radio license. The scholarship awards run up to $2000, as determined by the scholarship committee. Money must be used toward tuition at an institution of higher education.

To obtain an application, send a self-addressed, stamped envelope to the Dayton Amateur Radio Association Scholarship Program, 9873 Lower Valley Pike, Medway, Ohio 45341. You can also obtain an application by e-mail to n8emo1@msn.com. Completed applications must be postmarked no latter than June 1st to be eligible for this years scholarship program. (DARA)

**

HAM RADIO SCHOLARSHIPS: THE FOUNDATION FOR AMATEUR RADIO

Another organization offering scholarships to hams id the Foundation For Amateur Radio. The Washington, D.C. area group will administer sixty-two scholarships for the academic year running from 2002 through 2003. Licensed Radio Amateurs may compete for these awards if they plan to pursue a full-time course of studies beyond high school and are enrolled in or have been accepted for enrollment at an accredited university, college or technical school. The awards range from $500 to $2500 with preference given in some cases to residents of specified geographical areas or the pursuit of certain study programs. Additional information and an application form may be requested by letter or QSL card to the FAR Scholarships, Post Office Box 831, Riverdale, Maryland, 20738. (Foundation For Amateur Radio)

**

INTERNATIONAL - SOUTH AFRICA: SA RADIO AMATEURS OF THE YEAR NAMED

Turning to international news, South Africa is honoring two of its own as that nations Radio Amateurs of the Year. Q-News Graham Kemp, VK4BB, brings us the details:

--
The South African Amateur Radio Development Trust have announced the winners of the 2001 Siemens Radio Amateur of the Year Award. This award is made annually to a Radio Amateur who has made a major contribution to the Amateur Service either on a technical or development basis in ZS land.

The award has been bestowed jointly on Bradley Phillips, ZS5BP, and Garth Wilson, ZR6CY. ZS5BP for his work on the introduction of Iphone and the development of the Internet Radio Linked project. ZR6CY for his continuous efforts to develop communication skills amongst the youth. He has to date presented no less than 80 camps for Voortrekkers to learn the Morse code and basic communication skills.

For Q-News Australia, I'm Graham Kemp, VK4BB, reporting for the Amateur Radio Newsline.

--

This award is considered as South Africa's equivalent to the Dayton awards presented here in the United States. (SARL News, Q-News)

**
INTERNATIONAL - UK: KENWOOD TROPHY AWARDED TO G3XWH

Meantime, over in the U-K, Richard Horton, G3XWH, who chaired the RSGB's Future Licensing and Examination Forum has been awarded the Kenwood Trophy. This, for his significant contribution to training and development in amateur radio.

Horton recently retired from the Radio Society of Great Britain's Board where he was responsible for amateur radio development. His committee was responsible for much of the work that went into the creation of the new U-K Foundation Class license. (GB2RS)

**
DX

In DX, DJ4KW and DK9GG are currently active from Belize as V31YN and V31GW, respectively, through early February. Activity is on CW, RTTY and PSK 31. (RSGB)

And IN3QBR will be active from Vientiane as XW3QBR until the 31st of July. He will be joined, from the 20th of April until the 10th of May by IN3ZNR operating as XW3ZNR. (OPDX)

And R1ANF began operations as CE9 slash R1ANF on the 29th of December from a Chilean base in the South Shetland Islands. He is active on 10 to 28MHz with 100 watts to an R6000 vertical. For all three QSL as directed on the air. (RSGB)

**
THAT FINAL ITEM: CELEBRATING THE LIFE OF ED CLEGG W2LOY

And finally this week, if you were on the VHF bands in the 50's, 60's and 70's then the name Clegg Labs touched your ham radio operations. And as we hear in

this report, the family of the man behind the gear is inviting you to help celebrate his life.

--

Even if you did not own any Clegg gear, the chances are that you talked to someone on the air who did. Whether it was the top of the line Interceptor receiver and Zeus transmitter or the entry level 99'er transceiver, it was easy to spot a Clegg signal by its almost overpowering modulation that seemed just right for the R-F carrier it was on.

Almost every product that carried the Clegg label was designed by the company's founder Edward T. Clegg, W2LOY. When he moved the company to Pennsylvania in the 1970's, Ed took the call W3LOY. Likewise, after retiring to Ohio he traded the 3 for an 8, but kept the famed L-O-Y suffix.

And regardless of the call area, Ed Clegg was first and foremost a communications designer well ahead of his time. Even more important, he was a positive influence on just about everyone with whom he came in contact.

Ed Clegg left us last September at age 80. Now, his wife Martie will be hosting a gathering in March near the Clegg home in Lancaster Ohio. The purpose is to celebrate the life of Edward T. Clegg. And they are asking you to help.

Martie, her daughter Linda and Linda's husband Rob MacGuffie, K2HZN, are asking anyone who knew Ed to share in the celebration. They know that most of you won't be able to be in Lancaster Ohio on March 30th. But some of you do have memories, stories, photos and other Ed Clegg memorabilia that would help to make this day even more unforgettable.

If you have something to share, please contact Linda and Rob before the end of February. Their address is 70 Province Road, Gilmanton New Hampshire with a zipcode of 03237. Rob's cyperspace address is K2HZN@yahooo.com.

For the Amateur Radio Newsline, I’m Cathy Anno, KB0FDU.

--

By the way, a number of us here at the Amateur Radio Newsline began our ham radio careers using gear designed by Ed Clegg. In fact, our producer Bill Pasternak, WA6ITF, got to know Ed while Bill was still a teenager operating A-M on the 6 meter band. (Clegg family)

**

NEWSCAST CLOSE

With thanks to Alan Labs, Amateur News Weekly, AMSAT, the ARRL, the CGC Communicator, CQ Magazine, the FCC, the Ohio Penn DX Bulletin, Radio Netherlands, Rain, the RSGB and Australia's Q-News, that's all from the Amateur Radio Newsline(tm). Our e-mail address is newsline @arnewsline.org. More information is available at Amateur Radio Newsline's(tm) only official website located at www.arnewsline.org. You can also write to us or support us at

Amateur Radio Newsline(tm), P.O. Box 660937, Arcadia, California 91066.

For now, with Bill Pasternak, WA6ITF, at the editors desk, I'm _____
saying welcome to the year 2002, 73, and we thank you for listening." Amateur
Radio Newsline(tm) is Copyright 2002. All rights reserved.

265. It was only a matter of time...

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-02 19:22:00 UTC
From: Unclaimed Mysteries <k4doh@mindspring.com>
Message-ID: <a3he7c$c8k$1@nntp9.atl.mindspring.net>
Source record: 7139

Trash talk, ethnic slurs, and pointless smack has come to psk31. It guess it has finally arrived after all. Almost always by loud and poorly modulated US stations.

Corry

--

It Came From C. L. Smith's Unclaimed Mysteries.
http://www.unclaimedmysteries.net

266. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-02 19:51:40 UTC
From: Bishop Bradley <bb@nile.org>
Message-ID: <grX68.8565$Xk4.453153@news1.east.cox.net>
Source record: 7140
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

Hams don't want to duplicate the Internet.

Forget about short range mega-bit rates.

267. TAPR TNC2 Dip Switch Settings?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-02 20:58:36 UTC
From: kc5ngx@aol.com
Message-ID: <20020202155836.18543.00000665@mb-mg.aol.com>
Source record: 7141

Hello All,

I am in need of dip switch settings for the TAPR TNC2.

Any info most welcomed.

KC5NGX
John

268. Re: TAPR TNC2 Dip Switch Settings?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-02 22:55:29 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <B7_68.7325$I5.584641@bgtnsc05-news.ops.worldnet.att.net>
Source record: 7142

"Kc5ngx" <kc5ngx@aol.com> wrote in message
news:20020202155836.18543.00000665@mb-mg.aol.com...
> Hello All,
>
> I am in need of dip switch settings for the TAPR TNC2.
>
> Any info most welcomed.
>
> KC5NGX
> John

One switch on, rest off to set baud rate of serial port.

1 - 300
2 - 1200
3 - 2400
4 - 4800
5 - 9600

The TNC will default to 7 bits, even parity, at least
with firmware up to version 1.6

--

... Hank

http://horedson.home.att.net

269. Re: TAPR TNC2 Dip Switch Settings?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-03 00:11:07 UTC
From: Bishop Bradley <bb@nile.org>
Message-ID: <ve%68.8959$Xk4.475835@news1.east.cox.net>
Source record: 7143

```
Unless it has a 10 MHz clock, then the speeds
are doubled.

"Hank Oredson" <horedson@att.net> wrote
>
> "Kc5ngx" <kc5ngx@aol.com> wrote
> > Hello All,
> >
> > I am in need of dip switch settings for the TAPR TNC2.
> >
> > Any info most welcomed.
> >
> > KC5NGX
> > John
>
> One switch on, rest off to set baud rate of serial port.
>
> 1 - 300
> 2 - 1200
> 3 - 2400
> 4 - 4800
> 5 - 9600
>
> The TNC will default to 7 bits, even parity, at least
> with firmware up to version 1.6
```

270. Re: TAPR TNC2 Dip Switch Settings?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-03 01:47:51 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <bF078.7830$I5.607972@bgtnsc05-news.ops.worldnet.att.net>
Source record: 7144

Ot has been hacked to run at an odd speed,
in which case it might do 1500 instead of 1200 baud
on the radio port, and similar ratio on the serial port..

(Yup, I've seen a couple like this ... they were cheap
because "they don't work".)

--

... Hank

http://horedson.home.att.net

"Bishop Bradley" <bb@nile.org> wrote in message
news:ve%68.8959$Xk4.475835@news1.east.cox.net...
> Unless it has a 10 MHz clock, then the speeds
> are doubled.
>
> "Hank Oredson" <horedson@att.net> wrote
> >
> > "Kc5ngx" <kc5ngx@aol.com> wrote
> > > Hello All,
> > >
> > > I am in need of dip switch settings for the TAPR TNC2.
> > >
> > > Any info most welcomed.
> > >
> > > KC5NGX
> > > John
> >
> > One switch on, rest off to set baud rate of serial port.
> >
> > 1 - 300
> > 2 - 1200
> > 3 - 2400
> > 4 - 4800
> > 5 - 9600
> >
> > The TNC will default to 7 bits, even parity, at least
> > with firmware up to version 1.6
>
>
>

271. Internet / Radio Linking

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-03 02:21:28 UTC
From: Dave <g3vfp@blueyonder.co.uk>
Message-ID: <I8178.5668$pB.698642@news1.cableinet.net>
Source record: 7145

Hi all.

I have started the Hamradiolink reflector group for all those interested in linking, or using their radio /pc's on the internet. Using software's like the M0ZPD or ilink, etc.

http://groups.yahoo.com/group/hamradiolink

Hit the button and join in :-).

Best Regards,

Dave G3VFP

272. Re: Internet / Radio Linking

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-03 16:30:51 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <%Ad78.8564$zT.711942@bgtnsc06-news.ops.worldnet.att.net>
Source record: 7146

"Dave" <g3vfp@blueyonder.co.uk> wrote in message
news:I8178.5668$pB.698642@news1.cableinet.net...
> Hi all.
>
> I have started the Hamradiolink reflector group for all those interested in
> linking, or using their radio /pc's on the internet. Using software's like
> the M0ZPD or ilink, etc.
>
> http://groups.yahoo.com/group/hamradiolink
>
> Hit the button and join in :-).
>
> Best Regards,
>
> Dave G3VFP

How do you use your radio on the internet?

--

... Hank

http://horedson.home.att.net

273. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-03 20:29:56 UTC
From: "Carl R. Stevenson" <wa6vse-shack@fast.net>
Message-ID: <3c5d9ddd$1_1@news7.fast.net>
Source record: 7147
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

Seems to me that's one person's opinion ...

my mileage may vary ...

Carl - wa6vse

"Bishop Bradley" <bb@nile.org> wrote in message
news:grX68.8565$Xk4.453153@news1.east.cox.net...
> Hams don't want to duplicate the Internet.
>
> Forget about short range mega-bit rates.
>
>
>

274. new relaise Qso Manager

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-03 20:37:42 UTC
From: Paolo Nossa <ik4clf@inwind.it>
Message-ID: <qch78.22810$om6.585272@news1.tin.it>
Source record: 7148
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space,relcom.radi

www.qsl.net/ik4clf
HF QSO/QSL/Award managment, ADIF Import/Export, full version free to everybody.
Requires Access 97 or Access 2000 (with JPEG and TIFF filter installed), screen resolution 800x600/1024x768.
Includes: over 9500 logged QSO's for easy/quick testing of performance and 5 maps (Italy, Usa, Usa-Cal, Usa-Fla, Svalbard Is).
Full mapping (382 maps) available at Downloads page or free on request (CD-ROM).

275. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-03 23:20:51 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <nBj78.9345$zT.769271@bgtnsc06-news.ops.worldnet.att.net>
Source record: 7149
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

"Bishop Bradley" <bb@nile.org> wrote in message
news:grX68.8565$Xk4.453153@news1.east.cox.net...
> Hams don't want to duplicate the Internet.

Of course not, we want to move data from hither
to yon using radios ...

> Forget about short range mega-bit rates.

Why?

--

... Hank

http://horedson.home.att.net

276. Info required - Universal Radio M-7000

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-04 07:19:03 UTC
From: Roger Basford <Basford@btinternet.com>
Message-ID: <jH3q31BnXjX8EwlL@btinternet.com>
Source record: 7150

Hi,

Just acquired a M-7000 decoder that needs restoring, interested in hearing from other users as to the capabilities of the unit, problems experienced. Have a manual and have done a Web search - but not a lot wiser. Normal decoder here is the PK232.

TIA,
--
Roger Basford

277. Re: ²úÏú:²»Ðâ¸Ö±ê×¼¼þ,·Ç±ê, ÂÝË¿,ÂÝÄ¸,µ²È¦,Ã¶¤,¼ü,Ïú

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-04 08:34:33 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna5shsp.ciq.nomail@linux.pe1chl.ampr.org>
Source record: 7001

ï¿½ï¿½ï¿½ï¿½Æ½ <acbac@mail.wzptt.zj.cn> wrote:

>ï¿½ï¿½ï¿½ï¿½:ï¿½ï¿½ï¿½ï¿½Ö±ï¿½×¼ï¿½ï¿½,ï¿½Ç±ï¿½, ï¿½ï¿½ï¿½Ë¿,ï¿½ï¿½Ä¸,ï¿½ï¿½È¦,Ã-
ï¿½ï¿½,ï¿½ï¿½,ï¿½ï¿½

>ï¿½ç»°:0577-86525020--86523297--86523275ï¿½ï¿½ï¿½ï¿½:88525430

>ï¿½ï¿½ï¿½ï¿½ï¿½Ê¼ï¿½: acbac@mail.wzptt.zj.cn

>ï¿½ï¿½ï¿½ï¿½ï¿½ë¿´>> www.wzhdwj.com

>ï¿½ï¿½ï¿½-> | ï¿½ï¿½ï¿½ß´ï¿½ ï¿½ï¿½ ï¿½ï¿½Æ·Õ¹Ê¾ | ï¿½ï¿½Æ·ï¿½ï¿½ï¿½ |
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>ï¿½ï¿½ï¿½-> 01--14 01-15 01-05
>01--08 01--15

>ï¿½ï¿½ï¿½Ýºï¿½ï¿½ï¿½ï¿½ï¿½ï¿½ï¿½ï¿½ï¿½ï¿½ï¿½ï¿½ï¿½ï¿½ï¿½Þ¹ï¿½Ë¾

>ï¿½ï¿½ï¿½ï¿½ï¿½ï¿½ï¿½ï¿½:ï¿½ï¿½Ò³ï¿½ï¿½ï¿½ï¿½ï¿½.ï¿½ï¿½ï¿½Ðµ.ï¿½ï¿½ï¿½ï¿½ï¿½.ï¿½ï¿½ï¿½ï¿½..ï¿½ï¿½×¼ï¿
½ï¿½>>ï¿½Ñºï¿½
>www.sohu.comï¿½ï¿½ï¿½Ë£ï¿½www.sina.com.cn

>21ï¿½ï¿½ï¿½ï¿½:www.21cn.com 263ï¿½×¶ï¿½ï¿½ï¿½ï¿½ß£ï¿½www.263.net TOM:
>WWW.TOM.COM

>ï¿½Ïºï¿½ï¿½ï¿½ï¿½ß£ï¿½www.online.sh.cnï¿½ï¿½ï¿½ï¿½ï¿½ï¿½Ó´ï¿½ï¿½ï¿½www.gznet.com

>ï¿½ï¿½ï¿½×£ï¿½www.163.com.ï¿½Ð¹ï¿½ï¿½ï¿½. www.chinaren.cov . 163ï¿½ï¿½ï¿½ï¿½
>ï¿½Ê¾Ö£ï¿½www.163.net

The clueless invade the world!!!

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

278. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-04 08:58:28 UTC
From: Alexander Kurpiers <a.kurpiers@nt.tu-darmstadt.de>
Message-ID: <3C5E4D34.2C3C9CFF@nt.tu-darmstadt.de>
Source record: 7002

Marco S Hyman wrote:
>
> Alexander Kurpiers <a.kurpiers@nt.tu-darmstadt.de> writes:
>
> > because the band is "crowded". We did a test with 3 802.11b WLAN
> > adapters in one room and they simply won't work... 2 were ok, the 3rd
> > one needed an antenna seperated from the others.
>
> Huh? I've been in rooms with an access point and a dozen or more
> laptop users all accessing the net using 802.11b. No real problems.
> The cards did need to be told that the access point density was high.
>
> A typical scene at USENIX in Boston last year were 6-8 people sitting
> at a table, all with laptops connected to the net via 802.11b. The
> AP was several rooms away. All users were within 2 meters of each
> other. Again, no problems.

This is not what I said. I don't mean 3 WLAN adapters connected to 1
access point but 3 WLAN adapters trying to access 3 access points on
different "frequencies" with antennas only some centimeters apart. This
does not work as the RF parts of the WLAN adapters cannot handle this (I
guess they are using the old Intersil PRISM chipset, but I'm not too
sure about that).

73' Alexander

--
Alexander F. Kurpiers | Voice: +49-6151-162369
Institut fuer Nachrichtentechnik | Fax : +49-6151-165545
Merckstrasse 25 | EMail: a.kurpiers@nt.tu-darmstadt.de
D-64283 Darmstadt (Germany) | Hamradio: dl8aau@db0ais.#hes.deu.eu

279. Re: Internet / Radio Linking

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-04 11:01:56 UTC
From: John Seney <wd1v@mediaone.net>
Message-ID: <wd1v-8F5A65.06043404022002@news.ne.mediaone.net>
Source record: 7003

In article <%Ad78.8564$zT.711942@bgtnsc06-news.ops.worldnet.att.net>,
"Hank Oredson" <horedson@att.net> wrote:

> "Dave" <g3vfp@blueyonder.co.uk> wrote in message
> news:I8178.5668$pB.698642@news1.cableinet.net...
> > Hi all.
> >
> > I have started the Hamradiolink reflector group for all those
> > interested in
> > linking, or using their radio /pc's on the internet. Using software's
> > like
> > the M0ZPD or ilink, etc.
> >
> > http://groups.yahoo.com/group/hamradiolink
> >
> > Hit the button and join in :-).
> >
> > Best Regards,
> >
> > Dave G3VFP
>
> How do you use your radio on the internet?
>
> --
>
> ... Hank
>
> http://horedson.home.att.net
>

Someday we'll be able to route our radio voices over ip and
select the repeaters we wish to get into. Until then, its
a sporadic novelty like DX due to ducting (fun but nothing
you can use frequently or with specific intentions).

That could be a great assistance in homeland security
issues. But there needs to be good research, design, and
implementation at a funded group (ARRL + TAPR + Radio
Manufacturers consortium) that facilitates it. It would
be the "radio router/modem" project. Its not if, just when and
who.

If you happen to sit on the design committee, PLEASE make
sure the BW is high enough for video frames too.

John

http://www.qsl.net/wd1v

280. Re: Internet / Radio Linking

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-04 12:21:40 UTC
From: VK2JTP <vk2jtp@qsl.net>
Message-ID: <cius5uobmgek4ja6f35lertcq2qe85diuu@4ax.com>
Source record: 7004

>
>Someday we'll be able to route our radio voices over ip and
>select the repeaters we wish to get into. Until then, its
>a sporadic novelty like DX due to ducting (fun but nothing
>you can use frequently or with specific intentions).
>
Using DTMF pad on your HT you can connect to a many repeaters around
the world.

For details of the interface boards available to do this see ...

www.ilinkboards.com and www.ilinkca.com

>That could be a great assistance in homeland security
>issues. But there needs to be good research, design, and
>implementation at a funded group (ARRL + TAPR + Radio
>Manufacturers consortium) that facilitates it. It would
>be the "radio router/modem" project. Its not if, just when and
>who.
>
>If you happen to sit on the design committee, PLEASE make
>sure the BW is high enough for video frames too.
>
You would need a pretty good HT to handle the BW.

281. Re: Info required - Universal Radio M-7000

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-04 13:15:04 UTC
From: ted hay <tedh1@sympatico.ca>
Message-ID: <3C5E8958.DC2ECF1B@sympatico.ca>
Source record: 7005

Hello

If you have the manual it tells its capabilities.

Whatg do you mean by it needs restoring? If you need to have it repaired
contact

Digital Electronic Systems Inc
565 Paul Morris Drive
Englewood, FL
34223

des@ewol.com

They manufactured it and labled it for Universal Radio.

Mine failed once, the cpu died, DES was helpful in troublshooting and
sending a replacement cpu at reasonable cost.

Ted

Roger Basford wrote:

> Hi,
>
> Just acquired a M-7000 decoder that needs restoring, interested in
> hearing from other users as to the capabilities of the unit, problems
> experienced. Have a manual and have done a Web search - but not a lot
> wiser. Normal decoder here is the PK232.
>
> TIA,
> --
> Roger Basford

282. READ THE WEB-SITE THAT THE KIKES TRY TO CENSOR

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-04 15:03:18 UTC
From: 4sYGhv@uhogla.ma.us
Message-ID: <9hrn6u4ri3h9flqcmyx6k3jcy88s1@4ax.com>
Source record: 7006
Cross-posted to: rec.radio.amateur.digital.misc,soc.history.what-if

WWW.GIWERSWORLD.ORG
THE SITE WHERE ALL KIKES ARE LAMPSHADES

PROUDLY PRESENTED BY

MATTHIAS GIWER
14205 N. NEBRASKA AVE
TAMPA FLORIDA

813-977-7380

jull43@tampabay.rr.com
matt@giwersworld.org

PROUDLY HOSTED BY:

DREAMHOST WEB HOSTING

213-947-1032

Other brave bad games will reject weekly alongside tags. We look them, then we absolutely believe Oliver and Patrice's thin orange. All think barbers shout Gilbert, and they weakly fill Ophelia too. Are you abysmal, I mean, climbing beside quiet counters? Try moulding the river's ugly pool and Alfred will laugh you! While balls finitely attack bandages, the papers often call on the urban trees. We measure weak smogs under the wide cold bathroom, whilst Edward slowly talks them too. My healthy sticker won't hate before I recommend it. It explained, you received, yet Wally never virtually cooked about the spring. Her yogi was heavy, rude, and pours before the window. Fucking don't play a dog! I surprisingly converse active and tastes our pathetic, new diets above a doorway. When doesn't Darcy scold subtly? Lots of rural dark teacher expects cars over Brian's bitter grocer. Will you depart through the fog, if Russell halfheartedly solves the painter? You won't wander me dining beside your sticky navel. Don't even try to burn the candles deeply, fear them smartly.

He'll be nibbling within solid Sara until his hen combs annually. Pearl, have a strong powder. You won't move it. Just promising inside a pear alongside the dorm is too hot for Austin to order it.

I am weekly stupid, so I lift you. Gawd, go irrigate a can! Some sweet difficult eggs wanly grasp as the lost floors creep.

Sharon, outside sauces unique and shallow, answers under it, teasing bimonthly. Plenty of dry frogs throughout the dirty

ladder were cleaning without the smart island. He will love monthly, unless Wednesday kicks wrinkles near Ralf's ointment. For Jason the butcher's angry, through me it's old, whereas against you it's behaving sour. Paulie! You'll attempt bushs. Gawd, I'll dream the dust. Otherwise the jacket in Guido's jug might learn some proud carrots. Until William recollects the hats cruelly, Roxanna won't judge any humble cafes.

Some buttons walk, seek, and improve. Others usably smell. Hardly any durable bowl or autumn, and she'll partially waste everybody. They are liking throughout the rain now, won't pull plates later. Nowadays, cases cover within distant arenas, unless they're closed.

Where did Aloysius sow with all the disks? We can't arrive enigmas unless Owen will familiarly dye afterwards. If you'll live Gay's square with exits, it'll locally jump the unit. Some pumpkins will be worthwhile clean desks. Both excusing now, Petra and Georgina cared the hollow castles below pretty book. I help once, open sadly, then irritate through the onion with the barn. To be stale or fat will kill empty shoes to finally join. He will change truly if Jonathan's coffee isn't polite.

Anthony judges the pickle on hers and actually shouts. They are ordering beside easy, in cheap, beside weird tyrants. Better seek shirts now or Georgette will generally creep them in you. If you will love Endora's morning about carpenters, it will lazily care the tailor.

Who does Owen smell so undoubtably, whenever Usha cleans the full fig very quickly?

283. Re: Info required - Universal Radio M-7000

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-04 16:26:59 UTC
From: Roger Basford <Basford@btinternet.com>
Message-ID: <MOKxlyHTZrX8Ewhq@btinternet.com>
Source record: 7007

In message <3C5E8958.DC2ECF1B@sympatico.ca>, ted hay
<tedh1@sympatico.ca> writes
>Hello
>
>If you have the manual it tells its capabilities.
>
>Whatg do you mean by it needs restoring? If you need to have it repaired
>contact
>
>Digital Electronic Systems Inc
>565 Paul Morris Drive
>Englewood, FL
>34223
>
>des@ewol.com
>
>They manufactured it and labled it for Universal Radio.
>
>Mine failed once, the cpu died, DES was helpful in troublshooting and
>sending a replacement cpu at reasonable cost.
>
>Ted
>

Ted,

Thanks for the above info, I was interested (amongst other things) to know if the firmware had been updated since the 7000's introduction. I had searched for Universal but got the radio store!

Regarding "restoring", perhaps repair would be a better word! My 7000 was sold at a ham rally as a non-worker, I knew that it was a good quality unit and so decided to take it on. It looks as though there hasn't been too much damage inflicted by the previous owners but I do need to check some IC types and locations as they don't agree with what's shown in the book. I'll try asking Digital Electronic Systems for their advice and then see how I go from there.

Thanks again,

Roger (G3VKM)
--
Roger Basford

284. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-04 16:32:43 UTC
From: "Carl R. Stevenson" <wa6vse-shack@fast.net>
Message-ID: <3c5eb82a_2@news7.fast.net>
Source record: 7008

"Alexander Kurpiers" <a.kurpiers@nt.tu-darmstadt.de> wrote in message
news:3C5E4D34.2C3C9CFF@nt.tu-darmstadt.de...
> Marco S Hyman wrote:
> >
> > Alexander Kurpiers <a.kurpiers@nt.tu-darmstadt.de> writes:
> >
> > > because the band is "crowded". We did a test with 3 802.11b WLAN
> > > adapters in one room and they simply won't work... 2 were ok, the 3rd
> > > one needed an antenna seperated from the others.
> >
> > Huh? I've been in rooms with an access point and a dozen or more
> > laptop users all accessing the net using 802.11b. No real problems.
> > The cards did need to be told that the access point density was high.
> >
> > A typical scene at USENIX in Boston last year were 6-8 people sitting
> > at a table, all with laptops connected to the net via 802.11b. The
> > AP was several rooms away. All users were within 2 meters of each
> > other. Again, no problems.
>
>
> This is not what I said. I don't mean 3 WLAN adapters connected to 1
> access point but 3 WLAN adapters trying to access 3 access points on
> different "frequencies" with antennas only some centimeters apart. This
> does not work as the RF parts of the WLAN adapters cannot handle this (I
> guess they are using the old Intersil PRISM chipset, but I'm not too
> sure about that).
>
> 73' Alexander

Well, yes, if you place the APs so close together that they all
suffer front-end overload from each other, you'll get poor
performance ... spread them out a bit and it should work just
fine.

Also, if you only had 3 client devices, why not run them all on
the same AP???

Carl - wa6vse

285. Re: Internet / Radio Linking

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-04 16:52:59 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <L%y78.10827$I5.869974@bgtnsc05-news.ops.worldnet.att.net>
Source record: 7009

"VK2JTP" <vk2jtp@qsl.net> wrote in message
news:cius5uobmgek4ja6f35lertcq2qe85diuu@4ax.com...
>
> >
> >Someday we'll be able to route our radio voices over ip and
> >select the repeaters we wish to get into. Until then, its
> >a sporadic novelty like DX due to ducting (fun but nothing
> >you can use frequently or with specific intentions).
> >
> Using DTMF pad on your HT you can connect to a many repeaters around
> the world.

Cool!

I tried it using 146.52 (standard simplex calling freq).
Nothing happened.
Why is that?

--

... Hank

http://horedson.home.att.net

286. Re: Internet / Radio Linking

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-04 17:07:26 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <idz78.10856$I5.871652@bgtnsc05-news.ops.worldnet.att.net>
Source record: 7010

"John Seney" <wd1v@mediaone.net> wrote in message
news:wd1v-8F5A65.06043404022002@news.ne.mediaone.net...
> In article <%Ad78.8564$zT.711942@bgtnsc06-news.ops.worldnet.att.net>,
> "Hank Oredson" <horedson@att.net> wrote:
>
> > "Dave" <g3vfp@blueyonder.co.uk> wrote in message
> > news:I8178.5668$pB.698642@news1.cableinet.net...
> > > Hi all.
> > >
> > > I have started the Hamradiolink reflector group for all those
> > > interested in
> > > linking, or using their radio /pc's on the internet. Using software's
> > > like
> > > the M0ZPD or ilink, etc.
> > >
> > > http://groups.yahoo.com/group/hamradiolink
> > >
> > > Hit the button and join in :-).
> > >
> > > Best Regards,
> > >
> > > Dave G3VFP
> >
> > How do you use your radio on the internet?
> >
> > --
> >
> > ... Hank
> >
> > http://horedson.home.att.net
> >
>
> Someday we'll be able to route our radio voices over ip and
> select the repeaters we wish to get into. Until then, its
> a sporadic novelty like DX due to ducting (fun but nothing
> you can use frequently or with specific intentions).
>
> That could be a great assistance in homeland security
> issues. But there needs to be good research, design, and
> implementation at a funded group (ARRL + TAPR + Radio
> Manufacturers consortium) that facilitates it. It would
> be the "radio router/modem" project. Its not if, just when and
> who.

Recently I've had a bunch of discussions with Red Cross
folks in charge of emergency communications. They knew
about these projects. Their comments ran along the lines
of "Well, if the phone are working, we don't NEED ham
radio, because the phones work thus the internet works.
We need ham radio when the phones are not working
or when we cannot access the internet because our ISP
is shut down due to the emergency."

They need voice for tactical information, but want to use
email for strategic information (situation reports, supply
orders, personel assignements, H&W, etc.) What they
described was basically "The internet, but using only ham
radio for connectiviy, since there may be no other connectivity
available." Once the traffic is out of the disaster area, it
can be handled by any means of course.

Seems like what hams are doing is the exact opposite:
designing systems that will fail whenever phone lines
and/or internet connectivity is not available.

I suggested they might want to look into DirecPC and other
two way satellite internet links as one possible solution.

Hams certainly seem unable to supply what they need.

> If you happen to sit on the design committee, PLEASE make
> sure the BW is high enough for video frames too.

--

... Hank

http://horedson.home.att.net

287. Re: Info required - Universal Radio M-7000

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-04 17:20:12 UTC
From: ted hay <tedh1@sympatico.ca>
Message-ID: <3C5EC2CB.B15FFA93@sympatico.ca>
Source record: 7011

there are several versions which were updates adding modes, the Universal Radio web site might have a chart showing the differences in versions, as for the locations not agreeing with the manual I cannot help as I don't know. The one I own is version 7 and the ic chart was correct in my manual.

Ted

Roger Basford wrote:

> In message <3C5E8958.DC2ECF1B@sympatico.ca>, ted hay
> <tedh1@sympatico.ca> writes
> >Hello
> >
> >If you have the manual it tells its capabilities.
> >
> >Whatg do you mean by it needs restoring? If you need to have it repaired
> >contact
> >
> >Digital Electronic Systems Inc
> >565 Paul Morris Drive
> >Englewood, FL
> >34223
> >
> >des@ewol.com
> >
> >They manufactured it and labled it for Universal Radio.
> >
> >Mine failed once, the cpu died, DES was helpful in troublshooting and
> >sending a replacement cpu at reasonable cost.
> >
> >Ted
> >
>
> Ted,
>
> Thanks for the above info, I was interested (amongst other things) to
> know if the firmware had been updated since the 7000's introduction. I
> had searched for Universal but got the radio store!
>
> Regarding "restoring", perhaps repair would be a better word! My 7000
> was sold at a ham rally as a non-worker, I knew that it was a good
> quality unit and so decided to take it on. It looks as though there
> hasn't been too much damage inflicted by the previous owners but I do
> need to check some IC types and locations as they don't agree with
> what's shown in the book. I'll try asking Digital Electronic Systems for

> their advice and then see how I go from there.
>
> Thanks again,
>
> Roger (G3VKM)
> --
> Roger Basford

288. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-04 17:53:11 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna5tik7.ciq.nomail@linux.pe1chl.ampr.org>
Source record: 7012

Carl R. Stevenson <wa6vse-shack@fast.net> wrote:
>Well, yes, if you place the APs so close together that they all
>suffer front-end overload from each other, you'll get poor
>performance ... spread them out a bit and it should work just
>fine.

The same should be done with the client devices of course! And that is
something not so obvious to the users.

>Also, if you only had 3 client devices, why not run them all on
>the same AP???

This is probably a matter of policy.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

289. Re: Internet / Radio Linking

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-04 18:55:07 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3C5ED90B.FEB00CE1@crosslink.net>
Source record: 7013

Hank Oredson wrote:
>
> Recently I've had a bunch of discussions with Red Cross
> folks in charge of emergency communications. They knew
> about these projects. Their comments ran along the lines
> of "Well, if the phone are working, we don't NEED ham
> radio, because the phones work thus the internet works.
> We need ham radio when the phones are not working
> or when we cannot access the internet because our ISP
> is shut down due to the emergency."
>
> They need voice for tactical information, but want to use
> email for strategic information (situation reports, supply
> orders, personel assignements, H&W, etc.)....

Same story we've been hearing: Ham voice to back up the phones; packet
to backup stratigic comms. It follows that improved packet is desireable
if it is as available as existing packet.
73 KA3DWW

290. Re: Internet / Radio Linking

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-05 02:10:54 UTC
From: Bishop Bradley <bb@nile.org>
Message-ID: <OaH78.11357$Xk4.716758@news1.east.cox.net>
Source record: 7014

The Red Cross is a ponzi scheme. Work only
with the Salvation Army!

"Hank Oredson" <horedson@att.net> wrote
>
> Recently I've had a bunch of discussions with Red Cross
> folks in charge of emergency communications. They knew
> about these projects. Their comments ran along the lines
> of "Well, if the phone are working, we don't NEED ham
> radio, because the phones work thus the internet works.
> We need ham radio when the phones are not working
> or when we cannot access the internet because our ISP
> is shut down due to the emergency."

291. Re: Info required - Universal Radio M-7000

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-05 07:38:40 UTC
From: Roger Basford <Basford@btinternet.com>
Message-ID: <Xt+Ht7EAw4X8Ewxr@btinternet.com>
Source record: 7015

In message <3C5EC2CB.B15FFA93@sympatico.ca>, ted hay
<tedh1@sympatico.ca> writes
>there are several versions which were updates adding modes, the Universal
>Radio web site might have a chart showing the differences in versions, as for
>the locations not agreeing with the manual I cannot help as I don't know. The
>one I own is version 7 and the ic chart was correct in my manual.
>
>Ted
>
Ok Ted,

Many thanks again. My 7000 and manual are ver. 7 too but, as far as I
can see, the table of ICs used (Appendix 8, page 88) doesn't match the
layout diagram.

On my page 88 there is no IC57 but there is one shown on the layout next
to the back-up battery and this is one of the missing devices. It isn't
too critical as it's the pre-amplifier for the two RX inputs, so a
substitute shouldn't be difficult to find.

The other device missing is IC54 which provides RESET to the processor.
The type number on page 88 is PCD8582, which a Web search turns up as a
PIC, so more difficult to source along with it's programming (if it is
in fact a PIC - which I doubt). There's also ICs 55 & 56, shown on page
88 but I can't see 'em anywhere! If you've a different layout and IC
list I'd appreciate a copy or I could scan mine for a comparison.

I've sent an e-mail to DES and await their reply.

Regards,
--
Roger Basford

292. Re: Internet / Radio Linking

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-05 09:32:44 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <hl7v5ugd8p3kbp5l33cbtlv86aqmu7l675@4ax.com>
Source record: 7016

On Mon, 04 Feb 2002 17:07:26 GMT, "Hank Oredson" <horedson@att.net>
wrote:

>We need ham radio when the phones are not working
>or when we cannot access the internet because our ISP
>is shut down due to the emergency."

Unless all the ISPs in the country are shut down by the government,
there are going to be working ISPs outside the disaster area, so it is
also important to be able to connect the networking the disaster area
to the rest of the world.

>They need voice for tactical information, but want to use
>email for strategic information (situation reports, supply
>orders, personel assignements, H&W, etc.)

I assume that H&W refers to messages generated by people in the
disaster area to their relatives outside the disaster area, telling
that they are OK. How would this traffic be handled, by reading from
one screen and typing in on the other system :-) or by reconfiguring
the VPN to allow such traffic from and to the packet network ?

For effective emergency communications, you need connectivity to the
outside world as well as connectivity within the disaster area. In the
area, the system must be truly portable, so that it can be quickly set
up where needed, even if no roads are available.

How many of the current packet systems are independent of the mains
power and can be manually moved any longer distances ?

Paul

293. PSK 31 help needed

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-05 13:09:04 UTC
From: Hugh_Beverley@hotmail.com
Message-ID: <88fe7a68.0202050509.66ce86d@posting.google.com>
Source record: 7017

I am looking for some help in getting started with PSK31 please.

I have a Yaesu FT77 with 4 pin mic connector (Grd, PTT and Audio)
I have a laptop computer (with audio out and microphone in) both 3.5mm sockets.
The laptop does not have a LINE-IN or LINE-OUT, but the audio out and microphone in sockets such suffice ?

I have DIGIPAN 1.6 software.

I have ï¿½built' the simple interface as shown in the Digipan help file as follows:

FT77 headphone to Laptop Microphone In.
FT77 Mic Audio and Ground to Laptop Audio Out using a 100:1 attenuator (2 x resistors).
FT77 Mic PTT and Ground to Laptop COM port (using a simple switching circuit of 2N2222 / diode etc).

So far:

1. On receive - no problems.
2. On Tx ï¿½ï¿½.. there doesn't seem to be enough voltage from the Audio out of the laptop. Measurement of audio (with all computer soundcard mixer controls on FULL) is only 1 or 2 mV max. (According to Digipan help file this should be 1V when not attenuated and approx 10mv when attenuated ?)
3. So ï¿½ laptop does not seem to be getting sufficient audio to the FT77 microphone to modulate the PSK31 signal (whether through the attenuator or otherwise !).
4. That seems odd because the audio through the laptop audio out socket seems very loud when connected to a pair of headphone !
5. I have tried adjusting the FT77 MIC GAIN.
6. Or perhaps I am on the ï¿½wrong track' ?!

Does anyone have any ideas ? I don't really want to start building an interface with OPTO Isolators and transformers unless sit is absolutely necessary.

Please either answer here or Email to: Hugh_Beverley@hotmail.com

Thank you !

294. Re: Internet / Radio Linking

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-05 14:24:50 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3C5FEB32.633D1E5F@crosslink.net>
Source record: 7018

Paul Keinanen wrote:
>
> On Mon, 04 Feb 2002 17:07:26 GMT, "Hank Oredson" wrote:
>
> >We need ham radio when the phones are not working
> >or when we cannot access the internet because our ISP
> >is shut down due to the emergency." ....
>
> >They need voice for tactical information, but want to use
> >email for strategic information (situation reports, supply
> >orders, personel assignements, H&W, etc.)
>
> I assume that H&W refers to messages generated by people in the
> disaster area to their relatives outside the disaster area, telling
> that they are OK. How would this traffic be handled,....

Currently, messages can passed via VHF packet nodes into the ARRL traffic system. I can connect to one of several nodes in my county from a portable packet station, thence to a node 50-100 miles away, etc. to the other coast if need be. The final "hop" to the non-ham recipient is often by voice land line, or by email if available. AFAIK, the latter would require reformatting/typing the message from the ARRL traffic format into a form readable non-hams. I'm new at this but ARRL does stand for "ARRL" and have been doing this for a day or two :o)
>
> For effective emergency communications, you need connectivity to the
> outside world as well as connectivity within the disaster area. In the
> area, the system must be truly portable, so that it can be quickly set
> up where needed, even if no roads are available.
>
> How many of the current packet systems are independent of the mains
> power and can be manually moved any longer distances?

I suspect the answer is "Most of them." My node can automatically foreward packets to nodes in the state capital 50 miles away and is powered 24/7 by "floated" batteries. I can reach it from any 2 of the candidate shelters proposed by out county emergency folks using my 2 TNCs, laptops and HT's - all DC powered. Max operating time sans recharge is determined by the laptop (several hours), but we have gasoline motor/generators for that. Mine provides 5KW and has a 50 gallon fuel tank. My fearless leader, our county ARES EC, also has a battery-powered node at home and at least three other hams in our very rural county have portable systems that can access them. The same is basically true of the surrounding counties except they are richer and have more gear & people.

We do *not* expect packet to *replace* voice; rather the two compliment each other. Our plan is to put packet stations at designated shelters to provide H&W and logistics comms and voice radios in vehicles, et al, for "tactical" comms.

295. Re: PSK 31 help needed

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-05 14:30:52 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3C5FEC9C.C8ECBEF@crosslink.net>
Source record: 7019

Hugh Beverley wrote:
>
> Does anyone have any ideas ? I don't really want to start building an
> interface with OPTO Isolators and transformers unless sit is
> absolutely necessary.

I did a quick "isolated" hookup simply pluging a mic into the PC and
laying it on the radio speaker and vice versa. It seemed to work altho I
was unable to make any contacts b4 the XYL ran me off *her* radio :o)
73 KA3DWW

296. Re: PSK 31 help needed

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-05 18:39:43 UTC
From: KA9CAR <nospam@nospam.usa>
Message-ID: <a3p8pq$1821$1@news1.tribune.com>
Source record: 7020

To solve a similar problem with my radio, I used a Radio shack miniature audio transformer 8 ohms to 1 k ohms. Hooked 8 ohm side to pc and 1k ohm side to radio. Then I turned down the output of the sound card. Many sound cards are distorted at high levels.
John
KA9CAR

Hugh Beverley <Hugh_Beverley@hotmail.com> wrote in message news:88fe7a68.0202050509.66ce86d@posting.google.com...
> I am looking for some help in getting started with PSK31 please.
>
> I have a Yaesu FT77 with 4 pin mic connector (Grd, PTT and Audio)
> I have a laptop computer (with audio out and microphone in) both 3.5mm
> sockets.
> The laptop does not have a LINE-IN or LINE-OUT, but the audio out and
> microphone in sockets such suffice ?
>
> I have DIGIPAN 1.6 software.
>
> I have 'built' the simple interface as shown in the Digipan help file
> as follows:
>
> FT77 headphone to Laptop Microphone In.
> FT77 Mic Audio and Ground to Laptop Audio Out using a 100:1 attenuator
> (2 x resistors).
> FT77 Mic PTT and Ground to Laptop COM port (using a simple switching
> circuit of 2N2222 / diode etc).
>
> So far:
>
> 1. On receive - no problems.
> 2. On Tx .... there doesn't seem to be enough voltage from the Audio
> out of the laptop. Measurement of audio (with all computer soundcard
> mixer controls on FULL) is only 1 or 2 mV max. (According to Digipan
> help file this should be 1V when not attenuated and approx 10mv when
> attenuated ?)
> 3. So . laptop does not seem to be getting sufficient audio to the
> FT77 microphone to modulate the PSK31 signal (whether through the
> attenuator or otherwise !).
> 4. That seems odd because the audio through the laptop audio out
> socket seems very loud when connected to a pair of headphone !
> 5. I have tried adjusting the FT77 MIC GAIN.
> 6. Or perhaps I am on the 'wrong track' ?!
>

> Does anyone have any ideas ? I don't really want to start building an
> interface with OPTO Isolators and transformers unless sit is
> absolutely necessary.
>
> Please either answer here or Email to: Hugh_Beverley@hotmail.com
>
> Thank you !

297. best software for PK232?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-05 18:44:50 UTC
From: "R.U. Amused?" <n6ttd@spamsuxarrl.net>
Message-ID: <CKV78.32240$PC.174909@rwcrnsc52.ops.asp.att.net>
Source record: 7021

Hello all;

I just bought a used PK232, and I am looking for the best software to use with the unit. Any suggestions? Any freeware or shareware?

Thanks.

James
N6TTD

298. necessary bandwidth questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-05 19:12:10 UTC
From: bernardr@daldesign.com
Message-ID: <e0066c1e.0202051112.67bcd1fa@posting.google.com>
Source record: 7022

I am studying for the GRO license, and the questions on necessary bandwidth are puzzling, e.g. Q.7.70, "what is the necessary bandwidth of a 170 Hz shift, 45 Baud emission J2B transmission?" The answer is 249Hz which seems to be calculated from 170 + 45*K where K must be 1.75. I checked the NTIA Red Book and they seem to agree.
Why take just the shift of 170Hz instead of the actual mark/space tones of 2125/2295 Hz?
Maybe because the slice of spectrum between Fcarrier+2125 and Fcarrier+2295 is all that is really in use?
I suppose an adjacent channel using different tones on the same carrier could co-exist......

299. Re: best software for PK232?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-05 20:42:08 UTC
From: Roger Basford <Basford@btinternet.com>
Message-ID: <YUJUT+TgOEY8EwKA@btinternet.com>
Source record: 7031

In message <CKV78.32240$PC.174909@rwcrnsc52.ops.asp.att.net>, R.U.
Amused? <n6ttd@spamsuxarrl.net> writes
>Hello all;
>
>I just bought a used PK232, and I am looking for the best software to use
>with the unit. Any suggestions? Any freeware or shareware?
>
>Thanks.
>
>James
>N6TTD
>
>
Try XPWin, think it's shareware.

Regards
--
Roger Basford

300. Re: best software for PK232?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-05 20:46:19 UTC
From: KD5VU <kd5vu@qsl.net>
Message-ID: <kd5vu-B42EE4.14461905022002@corp.supernews.com>
Source record: 7023

In article <CKV78.32240$PC.174909@rwcrnsc52.ops.asp.att.net>,
"R.U. Amused?" <n6ttd@spamsuxarrl.net> wrote:

> Hello all;
>
> I just bought a used PK232, and I am looking for the best software to use
> with the unit. Any suggestions? Any freeware or shareware?
>
> Thanks.
>
> James
> N6TTD
>
>

Depends of if you are PC or Mac user. I use my PK-232 with Mac software
and use different applicaitons for various modes. For packet it is hard
to beat the old AEA MacRatt, for tcpip us PA2AGA's Net/Mac. I even have
mine running on a Mac G4 with a USB to Serial adapter and everybody is
happy.

301. Re: best software for PK232?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-06 00:29:23 UTC
From: "R.U. Amused?" <n6ttd@spamsuxarrl.net>
Message-ID: <DN_78.34087$PC.178499@rwcrnsc52.ops.asp.att.net>
Source record: 7024

Running a PC.

"KD5VU" <kd5vu@qsl.net> wrote in message
news:kd5vu-B42EE4.14461905022002@corp.supernews.com...
> In article <CKV78.32240$PC.174909@rwcrnsc52.ops.asp.att.net>,
> "R.U. Amused?" <n6ttd@spamsuxarrl.net> wrote:
>
> > Hello all;
> >
> > I just bought a used PK232, and I am looking for the best software to
use
> > with the unit. Any suggestions? Any freeware or shareware?
> >
> > Thanks.
> >
> > James
> > N6TTD
> >
> >
>
> Depends of if you are PC or Mac user. I use my PK-232 with Mac software
> and use different applicaitons for various modes. For packet it is hard
> to beat the old AEA MacRatt, for tcpip us PA2AGA's Net/Mac. I even have
> mine running on a Mac G4 with a USB to Serial adapter and everybody is
> happy.

302. Re: best software for PK232?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-06 01:17:10 UTC
From: Jim Hope <k4yte@earthlink.net>
Message-ID: <qu%78.12423$Hb6.1023552@newsread1.prod.itd.earthlink.net>
Source record: 7025

```
I like XPware. You can find it at:
http://www.glaswerks.com/xpware/
de k4yte
"R.U. Amused?" <n6ttd@spamsuxarrl.net> wrote in message
news:DN_78.34087$PC.178499@rwcrnsc52.ops.asp.att.net...
> Running a PC.
>
>
> "KD5VU" <kd5vu@qsl.net> wrote in message
> news:kd5vu-B42EE4.14461905022002@corp.supernews.com...
> > In article <CKV78.32240$PC.174909@rwcrnsc52.ops.asp.att.net>,
> > "R.U. Amused?" <n6ttd@spamsuxarrl.net> wrote:
> >
> > > Hello all;
> > >
> > > I just bought a used PK232, and I am looking for the best software to
> use
> > > with the unit. Any suggestions? Any freeware or shareware?
> > >
> > > Thanks.
> > >
> > > James
> > > N6TTD
> > >
> > >
> >
> > Depends of if you are PC or Mac user. I use my PK-232 with Mac software
> > and use different applicaitons for various modes. For packet it is hard
> > to beat the old AEA MacRatt, for tcpip us PA2AGA's Net/Mac. I even have
> > mine running on a Mac G4 with a USB to Serial adapter and everybody is
> > happy.
>
>
>
```

303. Re: Internet / Radio Linking

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-06 01:57:23 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <74088.1705$CM1.173997@bgtnsc04-news.ops.worldnet.att.net>
Source record: 7026

The Salvation Army has the exact same set of problems
to solve ... solve 'em for one, you solved 'em for the other.

--

... Hank

http://horedson.home.att.net

"Bishop Bradley" <bb@nile.org> wrote in message
news:OaH78.11357$Xk4.716758@news1.east.cox.net...
> The Red Cross is a ponzi scheme. Work only
> with the Salvation Army!
>
>
> "Hank Oredson" <horedson@att.net> wrote
> >
> > Recently I've had a bunch of discussions with Red Cross
> > folks in charge of emergency communications. They knew
> > about these projects. Their comments ran along the lines
> > of "Well, if the phone are working, we don't NEED ham
> > radio, because the phones work thus the internet works.
> > We need ham radio when the phones are not working
> > or when we cannot access the internet because our ISP
> > is shut down due to the emergency."
>
>
>

304. Re: Internet / Radio Linking

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-06 02:00:01 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <B6088.1709$CM1.174377@bgtnsc04-news.ops.worldnet.att.net>
Source record: 7027

"Paul Keinanen" <keinanen@sci.fi> wrote in message
news:hl7v5ugd8p3kbp5l33cbtlv86aqmu7l675@4ax.com...
> On Mon, 04 Feb 2002 17:07:26 GMT, "Hank Oredson" <horedson@att.net>
> wrote:
>
>
> >We need ham radio when the phones are not working
> >or when we cannot access the internet because our ISP
> >is shut down due to the emergency."
>
> Unless all the ISPs in the country are shut down by the government,
> there are going to be working ISPs outside the disaster area, so it is
> also important to be able to connect the networking the disaster area
> to the rest of the world.
>
> >They need voice for tactical information, but want to use
> >email for strategic information (situation reports, supply
> >orders, personel assignements, H&W, etc.)
>
> I assume that H&W refers to messages generated by people in the
> disaster area to their relatives outside the disaster area, telling
> that they are OK. How would this traffic be handled, by reading from
> one screen and typing in on the other system :-) or by reconfiguring
> the VPN to allow such traffic from and to the packet network ?

Outgoing messages from people IN the disaster area,
letting folks know they are (or are not) ok.

> For effective emergency communications, you need connectivity to the
> outside world as well as connectivity within the disaster area. In the
> area, the system must be truly portable, so that it can be quickly set
> up where needed, even if no roads are available.
>
> How many of the current packet systems are independent of the mains
> power and can be manually moved any longer distances ?

13,497?

If you mean "local to w0rli" the answer is "All except one fairly
critical linking system have mains-independent power."

--

... Hank

http://horedson.home.att.net

305. Re: necessary bandwidth questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-06 09:18:13 UTC
From: Alexander Kurpiers <a.kurpiers@nt.tu-darmstadt.de>
Message-ID: <3C60F4D5.B25AD532@nt.tu-darmstadt.de>
Source record: 7028

Bernard wrote:
>
> Maybe because the slice of spectrum between Fcarrier+2125 and
> Fcarrier+2295 is all that is really in use?
> I suppose an adjacent channel using different tones on the same
> carrier could co-exist......

Exactly. That is the correct explaination. J2B basically moves the
spectrum of your modulation signal to a carrier frequency, the carrier
is suppresed so it only exists "in your mind" (at least from a
theoretical point of view - in practice the carrier is not completely
suppresed).

73' Alexander

--
Alexander F. Kurpiers | Voice: +49-6151-162369
Institut fuer Nachrichtentechnik | Fax : +49-6151-165545
Merckstrasse 25 | EMail: a.kurpiers@nt.tu-darmstadt.de
D-64283 Darmstadt (Germany) | Hamradio: dl8aau@db0ais.#hes.deu.eu

306. Re: APRS & Privacy

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-06 10:49:36 UTC
From: lak <lak@radio.land.com>
Message-ID: <a3r1nurbd1@news.chatlink.com>
Source record: 7029

I did not follow the earlier post but, anyone who participates in Amateur Radio should not expect privacy....period! If one is interested in privacy then they should stick with digital cell phones or some other form of more secure communications. This is just like that insane argument back when analog cell and cordless phones were first introduce and the ill informed public actually thought no one could hear them. The were apalled to learn people with common police scanners could hear them....if you are a Ham then you should be better informed than that.

By the way any one who openly publishs their location over a radio link, has given up the right to privacy. Ham radio is about open communications not secret squirrel, black ops or what ever one wants to call it. I thunk it is funny the number of people who get on the local repeater to use the phone patch in place of a cell phone and then get indigent over others hearing the boring and usually very trival conversations.

> if you are worried about privacy, you may not find it in amateur radio or
> APRS.

307. Re: necessary bandwidth questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-06 12:43:12 UTC
From: hamish@cloud.net.au
Message-ID: <3c6124e0$0$18470$afc38c87@news.optusnet.com.au>
Source record: 7030

Bernard <bernardr@daldesign.com> wrote:
> I am studying for the GRO license, and the questions on necessary
> bandwidth are puzzling, e.g. Q.7.70, "what is the necessary bandwidth
> of a 170 Hz shift, 45 Baud emission J2B transmission?" The answer is
> 249Hz which seems to be calculated from 170 + 45*K where K must be
> 1.75. I checked the NTIA Red Book and they seem to agree.
> Why take just the shift of 170Hz instead of the actual mark/space
> tones of 2125/2295 Hz?
> Maybe because the slice of spectrum between Fcarrier+2125 and
> Fcarrier+2295 is all that is really in use?
> I suppose an adjacent channel using different tones on the same
> carrier could co-exist......

That's right. Your signal is using a 170 Hz shift and 45 baud,
which requires 170 Hz plus the sidebands from the 45 baud
keying, which is the 45*K component. The emission is J2B
so the carrier that you are modulating with the tones is
suppressed.

The actual tones don't matter. You could use a carrier of
14.080 MHz and tones of 2125/2295 Hz; somebody else could
use a carrier of 14.081 MHz and 1125/1295 Hz and you would
both be communicating on the same frequency.

Channels are a completely artifical concept here; the carrier
frequency is continuously variable.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

308. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-06 16:03:33 UTC
From: "Carl R. Stevenson" <wa6vse-shack@fast.net>
Message-ID: <3c6153df_2@news7.fast.net>
Source record: 7032

```
-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
news:slrna5tik7.ciq.nomail@linux.pe1chl.ampr.org...
> Carl R. Stevenson <wa6vse-shack@fast.net> wrote:
> >Well, yes, if you place the APs so close together that they all
> >suffer front-end overload from each other, you'll get poor
> >performance ... spread them out a bit and it should work just
> >fine.
>
> The same should be done with the client devices of course! And that
is
> something not so obvious to the users.

That's obviously correct, but in practice most client devices
are in notebooks ... and they end up being spaced suffiently
far from each other just in normal usage ... as I said, 3-400
people sitting side by side at tables in a hotel meeting room
is common at 802.11 plenary sessions and it works fine.

> >Also, if you only had 3 client devices, why not run them all on
> >the same AP???
>
> This is probably a matter of policy.

I had the idea that this was some sort of contrived test situation.
Using 3 APs where one could do the job is unnecessarily costly
and it also uses 3 channels, which is unnecessarily wasteful of
spectrum.

That was the point I was trying to make.

73,
Carl - wa6vse

-----BEGIN PGP SIGNATURE-----
Version: PGP for Personal Privacy 5.5.3

iQA/AwUBPGFT0Je+N6+q84HiEQJpawCfQvGeBNLQ7mZJBwD1bPuwjs6IBkkAn0RK
KlpJ0kMsX8JX279aYVNMDdD6
=PsHD
-----END PGP SIGNATURE-----
```

309. Re: Internet / Radio Linking

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-06 16:38:12 UTC
From: "Carl R. Stevenson" <wa6vse-shack@fast.net>
Message-ID: <3c615bfd_1@news7.fast.net>
Source record: 7033

```
-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

"Vito" <vito@crosslink.net> wrote in message
news:3C5ED90B.FEB00CE1@crosslink.net...
> Hank Oredson wrote:
> >
> > Recently I've had a bunch of discussions with Red Cross
> > folks in charge of emergency communications. They knew
> > about these projects. Their comments ran along the lines
> > of "Well, if the phone are working, we don't NEED ham
> > radio, because the phones work thus the internet works.
> > We need ham radio when the phones are not working
> > or when we cannot access the internet because our ISP
> > is shut down due to the emergency."
> >
> > They need voice for tactical information, but want to use
> > email for strategic information (situation reports, supply
> > orders, personel assignements, H&W, etc.)....
>
> Same story we've been hearing: Ham voice to back up the phones;
packet
> to backup stratigic comms. It follows that improved packet is
desireable
> *if* it is as available as existing packet.
> 73 KA3DWW

I think "improved" is clearly a key word ... I also believe that
it needs to be interpreted as "greatly (or vastly) improved,"
not just a slight incremental improvement (like to 4800 bps)
as someone is advocating ... if the EMS folks want (and I'm
sure they do) amateur backup to internet access, I don't
believe that they'd find 1980s data rates to be acceptable.

Carl - wa6vse

-----BEGIN PGP SIGNATURE-----
Version: PGP for Personal Privacy 5.5.3

iQA/AwUBPGFb8Ze+N6+q84HiEQKd7QCg4TJLQrF2dQRNSqKM/S6B1Ek2Y8AAoOYC
1u+PgKLmkcvukccmTChud1bi
=zBn5
-----END PGP SIGNATURE-----
```

310. Re: Internet / Radio Linking

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-06 19:28:50 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3C6183F2.3CC45EE@crosslink.net>
Source record: 7034

"Carl R. Stevenson" wrote:
>
> I think "improved" is clearly a key word ... I also believe that
> it needs to be interpreted as "greatly (or vastly) improved,"
> not just a slight incremental improvement (like to 4800 bps)
> as someone is advocating ... if the EMS folks want (and I'm
> sure they do) amateur backup to internet access, I don't
> believe that they'd find 1980s data rates to be acceptable.
>

Yes & no.

Typical scenario: EMS worker polls families at a shelter writing down
their names, conditions and who they want notified. This takes time.
Then (s)he goes to an internet terminal (normal ops) or hands the list
to a ham at a packet station (backup). The list gets typed into a
message that gets sent to some central point where it gets printed out
and manually disseminated.

The times between hitting the "send" are 10x or even 100x longer for
1200 baud packet than for internet - takeing seconds vs milliseconds -
but that is a tiny part of the total transaction. Minimizing that
difference would be better but shaving milliseconds off a process that
takes minutes isn't critical.
73 KA3DWW

311. Re: Rigblaster vs. MFJ-1275?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-07 04:07:33 UTC
From: Larry Deitcher <kb9ksr@adelphia.net>
Message-ID: <94n88.12363$hi3.893082@news1.news.adelphia.net>
Source record: 7035

I just got my rigblaster plus it works like a charm. I love it better than
the mfj1275
<vtail@hotmail.com> wrote in message news:3c46d614.715379@news.netis.com...
>
> Anyone have any opinion on the MFJ-1275 vs. the Rigblaster, as a
> soundcard-to-radio interface for HF PSK31?
>

312. WTB:QUANTUM LOOP

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-07 07:28:07 UTC
From: Daniel Simpson <dzan@qwest.net>
Message-ID: <070220020128079016%dzan@qwest.net>
Source record: 7036
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

WTB:QUANTUM LOOP

please email me at:

dzan@qwest.net

313. DOS first, then Windows

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-07 13:28:51 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3C628113.F806D94@crosslink.net>
Source record: 7037

Mucho Ham SW only runs on DOS, not (they claim) the Windows DOS prompt.

A Windows geek I know suggested the following mod:

In "Explore" change "msdos.sys" from hidden-read only to make it
accessable

use a text editor (wordpad) to edit msdos.sys
find "option"
Find "boot gui = 1"
Change the "1" to "0"
SAVE

Reboot ... computer will come up in DOS-7 from now on

Type "win" at dos prompt to get windoze.

73 KA3DWW

314. Re: DOS first, then Windows

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-07 18:26:28 UTC
From: Ralph Mowery <rmowery@dialpoint.net>
Message-ID: <3C62C6D4.6CC36755@dialpoint.net>
Source record: 7038

If the softwear is old enough to run in DOS then get an old computer for dos. Those things are almost in the give away price range now. There should be some old junkers that have a 486 processor in them that people are throwing away. I just threw out one after saving the floppy drive and am about to throw out another that was given to me about 6 months ago.
There is probably plenty of free programs out now that run under windows 95 and up that will do what the old stuff and hardwear used to do.

Vito wrote:
>
> Mucho Ham SW only runs on DOS, not (they claim) the Windows DOS prompt.
>
> A Windows geek I know suggested the following mod:
>
> In "Explore" change "msdos.sys" from hidden-read only to make it
> accessable
>
> use a text editor (wordpad) to edit msdos.sys
> find "option"
> Find "boot gui = 1"
> Change the "1" to "0"
> SAVE
>
> Reboot ... computer will come up in DOS-7 from now on
>
> Type "win" at dos prompt to get windoze.
>
> 73 KA3DWW

315. Re: DOS first, then Windows

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-07 19:07:23 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3C62D06B.8931A67F@crosslink.net>
Source record: 7039

Ralph Mowery wrote:
>
> If the softwear is old enough to run in DOS then get an old computer for
> dos. Those things are almost in the give away price range now. ...

True enough, but they're usually big clunky QRM'y Desk-Tops too. You
don't happen to be giving away any laptops do you?? I'm putting together
several packet stations for ARES use. The tiny Baypac BP2 modems seemed
ideal but the attendent SW cautioned "DOS" only (not DOS mode) and all
of my laptops run Windoze. So I asked a geek for advice and, having
never heard his solution before, I passed it on.
73 KA3DWW

316. Re: DOS first, then Windows

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-07 20:57:11 UTC
From: xpyttl <xpyttl_nospam@earthling.net>
Message-ID: <u65qhu38lldl51@corp.supernews.com>
Source record: 7040

Try this:

[Options]
BootGUI=1
BootMulti=1
BootMenu=1

You will gem a menu on boot that allows you to choose DOS or Windoze.

..

"Vito" <vito@crosslink.net> wrote in message
news:3C628113.F806D94@crosslink.net...
> Mucho Ham SW only runs on DOS, not (they claim) the Windows DOS prompt.
>
> A Windows geek I know suggested the following mod:
>
> In "Explore" change "msdos.sys" from hidden-read only to make it
> accessable
>
> use a text editor (wordpad) to edit msdos.sys
> find "option"
> Find "boot gui = 1"
> Change the "1" to "0"
> SAVE
>
> Reboot ... computer will come up in DOS-7 from now on
>
> Type "win" at dos prompt to get windoze.
>
> 73 KA3DWW

317. Re: DOS first, then Windows

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-07 21:47:04 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna65teo.c5r.nomail@linux.pe1chl.ampr.org>
Source record: 7041

xpyttl <xpyttl_nospam@earthling.net> wrote:
>Try this:

> [Options]
> BootGUI=1
> BootMulti=1
> BootMenu=1

>You will gem a menu on boot that allows you to choose DOS or Windoze.

All these options only work with previous-century versions of Windows,
don't they?

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

318. Re: WTB:QUANTUM LOOP

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-07 21:55:08 UTC
From: David Robbins <k1ttt@arrl.net>
Message-ID: <a3ut3l02pha@enews3.newsguy.com>
Source record: 7042
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

Is that related to an infinitesimal dipole? If so I have a whole box of
them I can sell you cheap!

"Daniel Simpson" <dzan@qwest.net> wrote in message
news:070220020128079016%dzan@qwest.net...
> WTB:QUANTUM LOOP
>
> please email me at:
>
> dzan@qwest.net

319. HELP - Where is XPWare?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-07 23:53:58 UTC
From: "J." <me@AvoidSpam.com>
Message-ID: <Xns91AEC04D0240Ejacques1magmaca@64.26.141.46>
Source record: 7043

A few years ago while mainly using a TNC I had come across this great program - XPWare. After trying sound oriented ones, I would like to use my TNC again. Quirk is that while looking for XPWare's site to download, it comes up dead. Did the owner shut down or is it under another name? If so, can anyone one clarify me on this? Thanks,

Jacques VE3TSC

320. Re: DOS first, then Windows

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-08 00:34:03 UTC
From: "Jim Shaffer, Jr." <jmshaffer@alltel.net>
Message-ID: <g6766u8326pap0ch24qfap0v1jeuuk3o67@4ax.com>
Source record: 7044

On Thu, 07 Feb 2002 14:07:23 -0500, Vito <vito@crosslink.net> wrote:

>True enough, but they're usually big clunky QRM'y Desk-Tops too. You
>don't happen to be giving away any laptops do you?

My laptop radiates a lot more noise than any recent desktop I've had, at least
on HF frequencies.

321. Re: DOS first, then Windows

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-08 00:34:15 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <b2F88.1962$9%6.322836@bgtnsc04-news.ops.worldnet.att.net>
Source record: 7045

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
news:slrna65teo.c5r.nomail@linux.pe1chl.ampr.org...
> xpyttl <xpyttl_nospam@earthling.net> wrote:
> >Try this:
>
> > [Options]
> > BootGUI=1
> > BootMulti=1
> > BootMenu=1
>
> >You will gem a menu on boot that allows you to choose DOS or Windoze.
>
> All these options only work with previous-century versions of Windows,
> don't they?

Previous Millenium versions ? :-)

--

... Hank

http://horedson.home.att.net

322. Re: HELP - Where is XPWare?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-08 04:57:46 UTC
From: "a. giammarino" <agia@ix.netcom.com>
Message-ID: <5lm66ug7pfiil807afnmq2h13abggjtaag@4ax.com>
Source record: 7047

http://www.glaswerks.com/xpware/
-
A. Giammarino
San Diego, CA

323. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-08 08:35:10 UTC
From: Alexander Kurpiers <a.kurpiers@nt.tu-darmstadt.de>
Message-ID: <3C638DBE.6C35DEDC@nt.tu-darmstadt.de>
Source record: 7048

"Carl R. Stevenson" wrote:
>
> That's obviously correct, but in practice most client devices
> are in notebooks ... and they end up being spaced suffiently
> far from each other just in normal usage ... as I said, 3-400
> people sitting side by side at tables in a hotel meeting room
> is common at 802.11 plenary sessions and it works fine.
>
> > >Also, if you only had 3 client devices, why not run them all on
> > >the same AP???
> >
> > This is probably a matter of policy.
>
> I had the idea that this was some sort of contrived test situation.
> Using 3 APs where one could do the job is unnecessarily costly
> and it also uses 3 channels, which is unnecessarily wasteful of
> spectrum.

Having 400 802.11b clients in one room is not much different from just 1
as long as they are trying to access the same AP: only one device
transmits at a time (or at least the others don't want to receive at the
same time), so there is no problem of receivers being overloaded.
This changes if you have several APs. This was my point.
If you suggest to use 802.11b to build a dense wireless network using
dishes, PAs etc. you end up with big problems due to overloaded RF
frontends...

73' Alexander

--
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Institut fuer Nachrichtentechnik | Fax : +49-6151-165545
Merckstrasse 25 | EMail: a.kurpiers@nt.tu-darmstadt.de
D-64283 Darmstadt (Germany) | Hamradio: dl8aau@db0ais.#hes.deu.eu

324. Ham ops report on our Wireless Video Sender/Receivers

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-08 08:46:50 UTC
From: CLOSEOUTS <oshea4@mindspring.com>
Message-ID: <a3vhr0svm1@slb5.atl.mindspring.net>
Source record: 7046

We have been getting many orders the last week from HamTV customers. I am including some reports written by the Ham Ops about
our units. I really do not know anything tech about our units, I have been in busniess since 1975 in Kansas City Missouri,
I am in closeout business. I own 4,000 Startech Video Sender/Receivers $30 + shipping. www.oshealtd.com

> Preliminary report:
> > I received a Star Tech 910XT-XR Video Sender thanks to Bill Houlehan at Oshea Ltd. to take apart and see how best to apply it to ATV. These units are FCC Compliant for license free use on 909.25 MHz and at $30 + shipping are
> well worth it for just that application. For ordering go to the web site:
> > www.oshealtd.com
> >
The transmitter and receiver (actually a crystal controlled downconverter) is designed for plugging in camcorder or VCR composite video and line audio to the AM transmitter (RCA phono jacks) and receiving through the downconverter with the F jack cabled to the antenna jack on a TV set to channel 3.
The system comes with screw in 1/4 wave spike vertical antennas and 12Vdc @ 200 ma wall plug power supplies.
> >
The power supplies actually put out 14 to 15 Vdc. In the transmitter, a 12V regulator IC is used, but in the receiver they just used a series dropping resistor. In either case, 12Vdc battery power could be tapped in on the output side of the regulator and resistor for portable applications, or directly from a car with the engine running.
> >
DX with the FCC Part 15 video devices is only a few hundred feet line of sight. You can't change the antennas or tweak the power for legal license free operation, but if used as a ham for ham purposes, you can repeak
the transmitter, remove the antenna system and connect to beams like the 3318LYARM Loop Yagi and should get about 1/2 mile line of sight. There are many public service events or other applications where this may be all you need. However for higher power a Downeast Microwave amp could be added - they have amps that take 10mw input, but more investigation of the transmitter needs to be done to better match the AM linear input range.
> Bill is trying to get the schematics for me.
> >
I think the best part of the Star Tech system for ham use is the crystal controlled downconverter. The downconverter outputs on channel 3, has a

preamp stage and a total gain of 18 dB. However, for some reason, the
local oscillator is on the high side which inverts the sideband. This is
no problem for simplex but if used to receive an ATV repeater transmitting
VSB, the desired VSB will be attenuated. It looks like just changing
frequency or going to low side injection should be as easy as putting in a
new crystal and repeaking the two triplers -
that is what I will try next. The crystal frequency is input frequency
input minus 61.25 MHz (ch3) all divided by 9. Crystals can be ordered from
KWMfg.
> > (405 567-2285) - specify KW-18 type crystal and the frequency:
> > 910.25 = 94.333 MHz
> > 911.25 = 94.444 MHz
> > 913.25 = 94.667 MHz
> > 919.25 = 95.333 MHz
> > 923.25 = 95.778 MHz
> >
The transmitter puts out -7 dBm pep which is about right for the 50 mW per
meter at 3 meter license free FCC Part 15 limit these units are
certified for. I was able to get about +2 dBm with a little peaking of the
output filter and some of the multiplier stage trimmer caps. However, the
tuning of the multiplier stages greatly affects the video modulation. I
could get +8 dBm if I just peaked for max power, but the modulation was
unuseable. It looks like they modulated the last tripler stage transistors
base. The video also rolls off quite a bit. The modulator is the weak
part of the design.
If I can get a schematic soon, I might be able to find a simple solution.If
not Ill just have to trace it out when I can get time.... and patience.
The sound subcarrier is also down about -25 dBc, which is quite low - it
should be up around -15 to -18 dBc, but this might also be a function of
the modulators video high frequency roll off. There are internal video and
line audio gain pots on the board.
The frequency can also be changed from 909.25 MHz by changing the crystal
and repeaking to the more standard ones used for ATV. The crystal frequency
is
> > times 9 in this circuit and the same type as in the receiver.
> > 910.25 = 101.139 MHz
> > 911.25 = 101.250 MHz
> > 913.25 = 101.472 MHz
> > 919.25 = 102.139 MHz
> > 923.25 = 102.583 MHz
> >
> > Both units are in metal enclosures with the electronics in tin plated
metal cans inside. The cans come out by removing the 8 external screws and
on the receiver, also removing the nut on the F jack. The cover on the can
comes off by prying up the tabs. The antenna assembly can be unsoldered
from the boards and replaced with coax and/or N connector for ham use.
> >
The receiver draws 40 ma and the transmitter 100 ma with 12Vdc applied.
>
> The receiver channel 3 output has a multipole bandpass filter which is

tuned by C20, 21 and 22. For some reason, it was centered on 61 MHz rather than tuned for being flat across channel 3 - 60 to 66 MHz. The high side at 66 MHz was rolled off about 5 dB which would decrease the color and sound subcarriers. A slight decrease in capacity on C20 and 22 brought the passband up to the proper bandwidth and band pass for channel 3. After a little more peaking I was able to increase the total gain to 22 dB.

Below, is another response about article above:

Thank you. Great, he is on the right track and we found all to be as he stated. I will order up a crystal for our desired frequency. Our plan is to operate simplex -- not a problem . Will keep you posted on our findings. Will also check on other hams who are working in The 900 MHZ spectrum.

>
>
>

325. Re: DOS first, then Windows

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-08 12:48:14 UTC
From: KC8PMX <kc8pmx@nospamtm.net>
Message-ID: <iOP88.493$TS.60467@newshog.newsread.com>
Source record: 7049

Oh no..... almost thought I was going to see a Dos vs. Windows argument here, kinda like the Pro-Code vs. No-Code. I could see it now..... REAL HAMS USE DOS! or something like that.....

Just kiddin'

Ryan

"Vito" <vito@crosslink.net> wrote in message news:3C628113.F806D94@crosslink.net...
> Mucho Ham SW only runs on DOS, not (they claim) the Windows DOS prompt.
>
> A Windows geek I know suggested the following mod:
>
> In "Explore" change "msdos.sys" from hidden-read only to make it
> accessable
>
> use a text editor (wordpad) to edit msdos.sys
> find "option"
> Find "boot gui = 1"
> Change the "1" to "0"
> SAVE
>
> Reboot ... computer will come up in DOS-7 from now on
>
> Type "win" at dos prompt to get windoze.
>
> 73 KA3DWW

326. Digital Ham Radio Internet Portal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-08 15:11:25 UTC
From: Ken Linder <radstream@lvcm.com>
Message-ID: <u67qtm84obmvca@corp.supernews.com>
Source record: 7050

Hi all,

Over the last 6 months I have been trying to figure out what to do with my domain... Well, the Digital ham radio bug bit me rather hard two weeks ago when I made my 1st DSP based 2M Packet QSO. I decided to set up a website for my new interest. please take alook at it here: www.radstream.com It is in 'Beta Test' currently so don't try to break it :-) Seriously, the software running there should be robust enough to handly pretty much anything.

Just a few notes:

The default theme is not my favorite! I suggest that after you register and then log in, you change your theme. I suggest the Radical theme because I modified it just for this site. BUT, if you are running Netscape, you cannot use it... Sorry.

The forum software will be installed shortly, not to mention more web themes, etc.

I would appreciate comments or thoughts....

73s and enjoy
Ken Linder
KC7RAD

327. Re: DOS first, then Windows

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-08 16:01:43 UTC
From: k7mem@myrealbox.com
Message-ID: <270a577d.0202080801.42df203b@posting.google.com>
Source record: 6951

Vito <vito@crosslink.net> wrote in message news:<3C62D06B.8931A67F@crosslink.net>...
> Ralph Mowery wrote:
> >
> > If the softwear is old enough to run in DOS then get an old computer for
> > dos. Those things are almost in the give away price range now. ...
>
> True enough, but they're usually big clunky QRM'y Desk-Tops too. You
> don't happen to be giving away any laptops do you??

You need to go to a few Ham Fests. They are practically giving away
the old laptops. The last one I was at had a couple of nice working
ones, running Windows 3.1, for about $25 to $30. Just modify the
autoexec.bat file to stop windows from starting up.

I personally use an old 486 SX25 laptop, with Windows 3.1, and it
works fine for all the old DOS software. It's a Sub-Note with a nice
little track-ball for the mouse interface and doesn't take up much
more room than a mouse pad alone.

I have bigger and better PCs but these old laptops still do the job.

--
Martin E. Meserve, K7MEM

I respond to news groups and E-Mail on my own time and therefore
my responses may not be as timely as you, or I, would like them to
be. If I seem to be ignoring you, send me another E-Mail to jog my
memory. Opinions are my own and do not reflect the opinions of my
employer.

328. Re: DOS first, then Windows

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-08 18:12:06 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3C6414F6.BFD17A70@crosslink.net>
Source record: 6952

Martin Meserve wrote:
>
> You need to go to a few Ham Fests. They are practically giving away
> the old laptops. ...

Thanks! Hoping to find a couple at the Richmond Va Frostfest this
weekend.
73 KA3DWW

329. Re: Request for Comment - New TNC design

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-08 21:07:56 UTC
From: "Carl R. Stevenson" <wa6vse-shack@fast.net>
Message-ID: <3c643f69_2@news7.fast.net>
Source record: 6953

```
-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

"Alexander Kurpiers" <a.kurpiers@nt.tu-darmstadt.de> wrote in message
news:3C638DBE.6C35DEDC@nt.tu-darmstadt.de...
> "Carl R. Stevenson" wrote:
> >
> > That's obviously correct, but in practice most client devices
> > are in notebooks ... and they end up being spaced suffiently
> > far from each other just in normal usage ... as I said, 3-400
> > people sitting side by side at tables in a hotel meeting room
> > is common at 802.11 plenary sessions and it works fine.
> >
> > > >Also, if you only had 3 client devices, why not run them all on
> > > >the same AP???
> > >
> > > This is probably a matter of policy.
> >
> > I had the idea that this was some sort of contrived test
situation.
> > Using 3 APs where one could do the job is unnecessarily costly
> > and it also uses 3 channels, which is unnecessarily wasteful of
> > spectrum.
>
>
> Having 400 802.11b clients in one room is not much different from
just 1
> as long as they are trying to access the same AP: only one device
> transmits at a time (or at least the others don't want to receive at
the
> same time), so there is no problem of receivers being overloaded.

In the example I used, IEEE 802 meetings, there are often several
APs either in the same meeting room, or in adjacent meeting rooms.
As long as the APs are not so close that they overload each other,
front end overload doesn't seem to be a problem as, as I said, the
clients tend to be "self-spacing."

> This changes if you have several APs. This was my point.
> If you suggest to use 802.11b to build a dense wireless network
using
> dishes, PAs etc. you end up with big problems due to overloaded RF
> frontends...
```

I don't entirely agree ... first I don't recall stressing the use of
PAs ...
as I've mentioned several times, the standard output power of about
+15 dBm will support 11 Mbps for (clear) paths of somewhat over 6
miles,
assuming a 20" dish at each end. If you'll settle for one of the lower
data
rates, you can either reduce the antenna requirement or get longer
range with the same antenna ...

If the network is "dense" then you don't need long point to point
links, high gain antennas, etc.

All in all, from practical experience, I don't see front end overload
as
a major, limiting factor.

Carl - wa6vse

-----BEGIN PGP SIGNATURE-----
Version: PGP for Personal Privacy 5.5.3

iQA/AwUBPGQ945e+N6+q84HiEQL1OwCdHsn8n2TqjsiPTuVnrQ5qoe7jytoAoIAk
0VEeAawTERBFjYa8l/Q4i+ad
=I5+r
-----END PGP SIGNATURE-----

330. Help Setting Up Tiny-2 For APRS Mobile Tracker

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-09 05:23:33 UTC
From: Doug Gavilanes <gavilan1@earthlink.net>
Message-ID: <3C64B238.B90485A9@earthlink.net>
Source record: 6954
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.digital.misc

Greetings de N6XQY. I am trying to set up a Tiny-2 with GPS support to operate with my Magellan GPS-315 GPS and Kenwood TM-V7A dual band mobile. I have already made the cable for the DATA port on the V7A for the TNC's DIN jack, and have the Magellan serial/power cable for connection to my TNC's serial port. I have not been able to find a text specific to the Pac-Comm Tiny-2 that lists the settings in my Tiny-2 that I need to get up and running in the mobile for position reporting on APRS. Linda at Pac-Comm shipped me the current firmware manual with the required GPS-enabled eEprom, and I am able to communicate with the TNC from my PC, so all I need are the settings to get up and running. If anyone out there can help here, it would be greatly appreciated. It seems that the command set for this TNC is a bit different from say, a KPC-3, and that's the only info I've come across here on the Web.

Thanks in advance,

Doug Gavilanes, N6XQY
Garden Grove, CA.

331. Re: APRS & Privacy

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-09 05:29:25 UTC
From: Doug Gavilanes <gavilan1@earthlink.net>
Message-ID: <3C64B398.97DC0730@earthlink.net>
Source record: 6955

If you eat pretzels, you could choke and pass out...

Ooops! Already been done.

73,

Doug, N6XQY

Bishop Bradley wrote:

> If you go to the mall, you could be kidnapped. So
> don't go to the mall.
>
> If you ride your bike, you could be hit by a car, so
> don't ride your bike.
>
> "Bruce Lane" <spammers@buzz.off> wrote
> >
> > Just a thought that's been kicking 'round my gray matter...
> >
> > APRS can give the exact GPS-measured position of anyone who cares
> > to hook up their GPS receiver, TNC, and transceiver. Base or mobile, it
> > matters not. All is revealed in a few squirts of data, in real time.
> >
> > Has anyone given any thought to the potential for abuse of this
> > data, or the APRS system in general? If so, how did such thoughts change
> > the way you work with APRS? (assuming you made any sort of change).

332. Re: DOS first, then Windows

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-09 06:01:23 UTC
From: Dick Carroll <dickc58@worldnet.att.net>
Message-ID: <3C65FF08.CA77C688@worldnet.att.net>
Source record: 6956

Vito wrote:

> Ralph Mowery wrote:
> >
> > If the softwear is old enough to run in DOS then get an old computer for
> > dos. Those things are almost in the give away price range now. ...
>
> True enough, but they're usually big clunky QRM'y Desk-Tops too. You
> don't happen to be giving away any laptops do you?? I'm putting together
> several packet stations for ARES use. The tiny Baypac BP2 modems seemed
> ideal but the attendent SW cautioned "DOS" only (not DOS mode) and all
> of my laptops run Windoze. So I asked a geek for advice and, having
> never heard his solution before, I passed it on.

With all but the newer computers all you got to do to run DOS is boot the thing with a DOS disk! Evidently Microshaft (or somebody) decided that wasn't something they wanted to continue to allow, and I notice the newer units I've had my hands on won't do that. All the WIN95 machines I've seen will. A year and a half ago I bought a Compaq 466 mhz tower that I could never get to boot on a DOS disk. It runs Windoze ME.

Also you might be able to use the "Windows setup disk" floppy that not only boots DOS but also installs the CD drivers....

Dick

333. Re: DOS first, then Windows

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-09 10:04:43 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <fjo96ukgrv9er1038i4p2drecsq2l27rsh@4ax.com>
Source record: 6957

On Sat, 09 Feb 2002 06:01:23 GMT, Dick Carroll
<dickc58@worldnet.att.net> wrote:

>had my hands on won't do that. All the WIN95 machines I've seen will. A year
>and a half ago I bought a Compaq 466 mhz tower that I could never get to boot
>on a DOS disk. It runs Windoze ME.

Did you check the boot order settings in BIOS. Apparently the default
setting for that machine is first C: then A:, but changing this to
first A: then C: allows booting to anything you like.

Paul OH3LWR

334. Re XPwares site - tnx to all replies

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-09 20:54:21 UTC
From: "J." <me@AvoidSpam.com>
Message-ID: <Xns91B0A1D446681jacques1magmaca@64.26.141.46>
Source record: 6958

To all who replied with his new site - thanks.

Jacques VE3TSC

335. Re: Help Setting Up Tiny-2 For APRS Mobile Tracker

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-10 01:00:48 UTC
From: Douglas Gavilanes <gavilan1@earthlink.net>
Message-ID: <3C65CBCF.226C5CCF@earthlink.net>
Source record: 6959
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.digital.misc

Never mind. I've resolved the settings issue. Now that I've hooked it all together, the DCD LED won't turn off regardless of whether there is a packet coming through or not. Therefore, the TNC is not sending at all. I have confirmed my connections several times: TNC DIN 1 to 6-pin Kenwood pin 1 (TX data from TNC), TNC DIN 4 to 6-pin Kenwood pin 4 (for 9600 baud data out to TNC), TNC DIN pin 2 to 6-pin Kenwood pin 2 (GND), and TNC DIN pin 3 to 6-pin Kenwood pin 3 (PTT). If I key an HT nearby, that interrupts the DCD LED, and the TNC keys the mobile. Real strange.

Oh, well.

73 de Doug, N6XQY

Doug Gavilanes wrote:

> Greetings de N6XQY. I am trying to set up a Tiny-2 with GPS support to
> operate with my Magellan GPS-315 GPS and Kenwood TM-V7A dual band
> mobile. I have already made the cable for the DATA port on the V7A for
> the TNC's DIN jack, and have the Magellan serial/power cable for
> connection to my TNC's serial port. I have not been able to find a text
> specific to the Pac-Comm Tiny-2 that lists the settings in my Tiny-2
> that I need to get up and running in the mobile for position reporting
> on APRS. Linda at Pac-Comm shipped me the current firmware manual with
> the required GPS-enabled eEprom, and I am able to communicate with the
> TNC from my PC, so all I need are the settings to get up and running.
> If anyone out there can help here, it would be greatly appreciated. It
> seems that the command set for this TNC is a bit different from say, a
> KPC-3, and that's the only info I've come across here on the Web.
>
> Thanks in advance,
>
> Doug Gavilanes, N6XQY
> Garden Grove, CA.

336. Re: Help Setting Up Tiny-2 For APRS Mobile Tracker

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-10 03:38:02 UTC
From: Douglas Gavilanes <gavilan1@earthlink.net>
Message-ID: <3C65F0A9.7E1070D4@earthlink.net>
Source record: 6960
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.digital.misc

OK, got it straight. Tried to wire up the rig for 9600 baud. Bad idea. I disconnected the 9600 data out from the radio, connected the 1200 baud data out, set the TNC jumper for 1200 baud, and away we go. Some of the cabling diagrams here on the web are in error, showing the 9600 line used, or showing the 9600 and 1200 lines jumped and connected to the TNC. Fine way to spend a Saturday. Anyway, I hope that this helps anyone with the same dilemma.

73 de Doug, N6XQY

Douglas Gavilanes wrote:

> Never mind. I've resolved the settings issue. Now that I've hooked it all
> together, the DCD LED won't turn off regardless of whether there is a packet
> coming through or not. Therefore, the TNC is not sending at all. I have
> confirmed my connections several times: TNC DIN 1 to 6-pin Kenwood pin 1 (TX
> data from TNC), TNC DIN 4 to 6-pin Kenwood pin 4 (for 9600 baud data out to
> TNC), TNC DIN pin 2 to 6-pin Kenwood pin 2 (GND), and TNC DIN pin 3 to 6-pin
> Kenwood pin 3 (PTT). If I key an HT nearby, that interrupts the DCD LED,
> and the TNC keys the mobile. Real strange.
>
> Oh, well.
>
> 73 de Doug, N6XQY
>
> Doug Gavilanes wrote:
>
> > Greetings de N6XQY. I am trying to set up a Tiny-2 with GPS support to
> > operate with my Magellan GPS-315 GPS and Kenwood TM-V7A dual band
> > mobile. I have already made the cable for the DATA port on the V7A for
> > the TNC's DIN jack, and have the Magellan serial/power cable for
> > connection to my TNC's serial port. I have not been able to find a text
> > specific to the Pac-Comm Tiny-2 that lists the settings in my Tiny-2
> > that I need to get up and running in the mobile for position reporting
> > on APRS. Linda at Pac-Comm shipped me the current firmware manual with
> > the required GPS-enabled eEprom, and I am able to communicate with the
> > TNC from my PC, so all I need are the settings to get up and running.
> > If anyone out there can help here, it would be greatly appreciated. It
> > seems that the command set for this TNC is a bit different from say, a
> > KPC-3, and that's the only info I've come across here on the Web.
> >
> > Thanks in advance,
> >
> > Doug Gavilanes, N6XQY
> > Garden Grove, CA.

337. Re: DOS first, then Windows

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-10 06:27:48 UTC
From: Dick Carroll <dickc58@worldnet.att.net>
Message-ID: <3C6756C1.F65128A@worldnet.att.net>
Source record: 6961

Paul Keinanen wrote:

> On Sat, 09 Feb 2002 06:01:23 GMT, Dick Carroll
> <dickc58@worldnet.att.net> wrote:
>
> >had my hands on won't do that. All the WIN95 machines I've seen will. A year
> >and a half ago I bought a Compaq 466 mhz tower that I could never get to boot
> >on a DOS disk. It runs Windoze ME.
>
> Did you check the boot order settings in BIOS. Apparently the default
> setting for that machine is first C: then A:, but changing this to
> first A: then C: allows booting to anything you like.

Good point, Paul, I'll look at that.

Dick

338. MixW Software Version 2.03

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-10 12:57:14 UTC
From: Jim Jaffe <jaffejim@erols.com>
Message-ID: <a45qnk$457$1@bob.news.rcn.net>
Source record: 6962

Greeting Fellow Warblers.. MixW Software is proud to announce that version 2.03 has now been released and also a brand new Help File Written by Scott Thile has also been posted on our Website which is: www.nvbb.net/~jaffejim/mixwpage.htm Most of you already know that MixW which is the Shareware version of our DigiPan Freeware does every single one of the digital modes plus two fancy high speed logging systems one for normal and one for contesting. the modes include RTTY, CW SSTV BPSK QPSK FSK31 Throb MT63 MFSK Hellschreiber VHF&HF packet TX and RX plus RX on both Pactor ARQ and FEC plus FEC TX/RX on Amtor RX Amtor ARQ (isn't that enough???) You can download a full working copy off the site. The only restriction on the software is a 15 day timer...Registration can be had for $50.00 and a special file will be sent to you which will both stop the timer and register the software....for full details see information on the website. Best 73 and Happy Warbling.. Jim, WA2VOS
Below are listed the complete list of updates and fixes to the program:
MixW version 2.0 Changes and Updates

MixW version 2 Release Candidate 2

SSTV mode
SSTV is accessible from menus
History tab is added
CAT changes
IC 756 PRO has been added to the list
FT 847 PTT bug fixed
ICOM PTT via CAT COMMAND implemented
MACROS <CATCMD:asciicmd> and <CATCMDHEX:hex bytes> are added. Example of usage:
<CATCMD:FE FE 56 E0 1C 00 01 FD>. This let you send any CAT command to the TRCVR.
Log bar
Lookup call button (Alt+K) has been added
New macros
<SELCALL>, <SELNAME>, <SELQTH>, <SELRSTR>, <SELRSTS>, <SELNRR>, <SELNRS> mean the
same as <CALL>, <NAME> etc but for selected line in the log bar.
<CATCMD:asciicmd> and <CATCMDHEX:hex bytes> (see CAT changes)

MixW version 2 Release Candidate 3

-(!) INI files are no longer stored in WINDOWS folder.
Move all MixW*.ini and all .mc files to MixW folder.

- SSTV
- Crash bug has been found and fixed.
- Right click on history bitmap shows it full-sized (only if it was

auto-saved)
- R36 and R72 modes added
- Settings dialog is modified. AutoSave and Open Picture do not
work, will add them tomorrow before annoucing RC3.
- Video ID
- This is a new feature to transmit Video ID visible on the waterfall
Since the power is divided by all points transmitted at the same
time, do not make long horizontal lines.
- Two VID samples re added : butterfly.bmp and mixw.bmp
- MACROS for SSTV:
- <FONTFACE:nnnn> example: <FONTFACE:Arial>
- <FONTCOLOR:n> example: <FONTCOLOR:9>
- <FONTBOLD:n> example: <FONTBOLD:1>
- <FONTITALIC:n> example: <FONTITALIC:0>
- <FONTSIZE:nn> example: <FONTSIZE:26>

- CAT
- added Comport conflict extended diagostics
- FT817 support
- the number of ICOM models is extended to 33
- possible custom CI-V address for ICOMs

- Search dialog (glasses)
- global optimization.

MixW version 2 Release Candidate 4

- MT63 mode
Sideband inversion is not supported for MT63 yet, QRX for RC5.

MixW version 2 Release Candidate5

- new DxCluster dialog
- SSTV ZOOM window
- New macros added:
<MODE> prints current mode
<KHZ:n> Frequency in kHz with n digits after decimal point
<KHZ> the same as above with n = 0
<MHZ:n> Frequency in MHz with n digits after decimal point
<MHZ> the same as above with n = 1
- Some bugs fixed
- Expiration date is set to June 30.

MixW version 2 Release Candidate 6

- RTTY 850 Hz shift must work now
- MT63 now allows not only 500 Hz start frequency
- DXCluster wrong mode selection bug is fixed
- ... and some more less important bugs are fixed including
one registration-related.

MixW version 2 Release Candidate 7

Added:
- Added CWR and FSKR transceiver modes to drop-down mode menu.
- Added <SPZOOM:n> (n=0.5,1,2,3 or 4) to set spectrum/waterfall zoom.
- Spectrum/waterfall shift position is now saved (and restored :-).
- Added <INV>, <INVON> and <INVOFF> macros to quickly change inversion.
- 8-bit encoding in MT63 mode is added (see MT63 settings dialog),
- Contest Settings: added Check Dupes regardless of Band or Mode
check-boxes.
- <LASTCALL> macro (not in list), unlike <GRABCALL> captures last call
appeared on the RX screen.
- CW weight correction (in 1ms intervals) to compensate CAT CW delay.
(+1 to add 1ms delay, -1 to subtract 1ms, and so on.) See CW settings
dialog.

Bugs fixed:
- Auto Search Log name and QTH bug is fixed.
- AFC in MFSK in full duplex mode stopped.
- <ALIGN:nnn> on LSB bug is fixed.
- Several contest bugs are fixed, but contest mode is to be re-written.

MixW version 2 Release Candidate 8

- New soundcard module with much better RX stability in heavy multitasking
environment.
- Manual RX is supported for SSB and CW with usual highlighting, call
grabbing etc. (For CW: goto Mode settings/Rx Algorithm/Manual)
- Multiple call registration is available
- Mode specific info is displayed in the status bar.
- some minor bugs were fixed
- expiration date for non-registered users is set to July 14.

MixW version 2 Release Candidate 9

- CW Old MixW 1.45 alg added
- SSTV Picture Preview in load picture dialog
- SSTV Tx load history tab
- TUNE transmitter menu item
- NEW MACROS
<WPM:nn> <WPM+nn> <WPM-nn> - for CW, absolute and relative speed change
<WPM:RX> Make TX speed equal to RX
<LOADPICTURE:filename> - if folder(directory) is on the place of
filename, RANDOM picture from that folder will be loaded.
<TUNE> - start tuning tone
<STOP> and <ESCAPE> - equivalence of keyboard Escape
- TEN-TEC PEGASUS support via external file (external PEGASUS control
software is required.
In PTT&CAT dialog, select CAT=TEN-TEC, Model=Pegasus/Jupiter, Software path
= directory of Pegasus software, like D:\PEGASUS .
In PTT&CAT Details sub-dialog, choose a port number for PTT control and
DTR/RTS behaviour (baudrate etc. does not matter).
Run the software (BBTRX1.EXE).
Then MixW will read and write transceiver frequency and mode.
* RTTY via transceiver FSK port:

Go to Configure > Secondary PTT/RTTY port menu.
Check "Use this port for RTTY output".
In Port Settings sub-menu, set up port number and RTS/DTR pins (other settings do not matter).
In PTT&CAT dialog (from Configure > TRCVR CAT/PTT menu), enter FSK center frequency (according to your transceiver type and settings).
In bands.ini file from MixW directory, add lines for each band you want to use with hardware RTTY, like
20m RTTY FSK 14065 14112 14080
where 20m = band name, RTTY = real mode, FSK [or FSKR] = transceiver mode used to operate RTTY,
14066, 14112, and 14080 = start, end, and preferred frequencies. (With such lines, MixW will switch rig to FSK [or FSKR] mode for RTTY by default.) Then restart MixW to let it re-read bands.ini. RTTY output will be sent to this COM port and to the soundcard in parallel.

MixW version 2 Release Candidate 10

Tip of the Day window is added. Please suggest new tips!
(You may also edit tips.txt file from MixW directory.)
See ExtProg.html to learn about interfacing MixW with other programs (short VB samples are included):
- Printing QSL cards;
- Passing QSO data to external loggers;
- Passing data to external maps;
- Switching/rotating antennas;
- Custom callbooks.
Contesting for Monkeys article tells about an example of using MixW in contests. See MonkeyOp.html.
New fields are added to the log file:
- Domain (state, etc.),
- IOTA,
- county,
- QSL manager.
Callbook fields can be viewed via DDE when Callbook dialog is open.
See MixW DDE test.doc file from MixW directory for details.
Two user-configured Log bar layouts are added.
See Configure > Log bar > Custom 1 & 2 menus. Resize Log bar columns by their gray headers. Double-click on the
border of a header to restore it's original size.
Contest mode: separate menu (View > Contest mode > Activate contest mode) is added to turn on/off contest mode.
- Domains, states, etc. (see Contest settings dialog) are now grabbed to Domain field or Serial NR (see "as Domain" and
"as Number" switches);
- Contest time is now grabbed to Exchange Received field and added to the exchange number, like '001 1532' (001 is a
number, 1532 is grabbed time). In Search Results dialog, click Callbook button to open the Callbook dialog for a selected
callsign.
Export to Cabrillo format file:

2 formats are now supported:
- rst + number,
- [number] + name + domain (NAQP contest etc.).
Export to text files:
New log fields are also added to export list. Using a text editor, exported TXT file can be converted and
sent as a contest log.
Icom transceivers:
CWR, FSK and FSKR support added;
Configurable output amplitude for each mode. See Mode > Output amplitude for this mode menu.

MixW version 2 Release Candidate 11

Expiration date (for unregistered users) is October 1, 2001.
Fixed bug with FSK RTTY transmittion (COM port bug under Win98).
Added Snap for 22 Hz RTTY.
Added "Clear QSO data?" question when clearing QSO (hold Control key to bypass this message).
Scottie DX TX Bug mode FIXED
See StarOffice MixW DDE test.sdw file to see how to use DDE interface with Star Office.

MixW version 2 Release Candidate 12

Fixed RC11 lockup-related bug.
ROTOR support is extended with four buttons on the world map (visible only when any rotor is selected).
Macros added: <ROTOR:SP>, <ROTOR:LP>, <ROTOR:nnn>.
<OUTPUTVOLUME>,<INPUTVOLUME> macros added to call Windows Volume Control.
Some minor bugs are fixed.

MixW version 2.0 Regular Release

Added support for changing territorial characteristic and country for a call or group of calls, also giving them an area name.

In Edit QSO dialog (when editing a QSO details), click Change button. Enter a call or mask (wildcards '*' and '?' are allowed).
Give a name for this call area. Choose an existing country to add this area to. Fill other required fields.
These changes are stored in pfx.dat file in MixW directory.
Added restoration of an accidentally deleted QSO.
Click File - Restore removed QSO menu.
Added WW Locator, IOTA number, domain (state) and county settings.
See Configure - Personal data menu.
List of contests dialog has been moved to View - Contest mode menu.
Double-click sets the selected line active. To deactivate a contest, choose "No contest".
Added CQ zone, ITU zone, Domain or DXCC prefix auto suggestion. See the Contest Settings dialog.
Log Statistics dialog has been moved to View - Statistics - Brief log

statistics menu.
Added statistics filters for displaying contest statistics on-the-fly.
In Contest Settings dialog, click the Statistics: [...] button and choose a
statistics filter. Then, click View - Statistics -
Show contest statistics menu to display the statistics window.
Contest filters are actually DLL files that are located in Plugins
subdirectory in MixW directory. See the bottom of main MixW page for the
list of available statistics DLLs.
To automatically generate Cabrillo contesting log for a given contest,
Run Search in Logfile dialog (File - Search in logfile menu). Uncheck all
check-boxes except Contest. Choose a contest from the list. Click Display
button. In the search results dialog, select the lines you want to export
(right mouse click for additional options), then press To Cabrillo button.
After viewing the contest statistics, fill the required fields and press OK.
Added Quick Search dialog for searching for incomplete callsigns.
In View - Quick search menu, choose your preferred method of searching, then
click Show dialog to display the Quick search dialog.
Enter a part of a call into the the new QSO cell of the Log Bar. Wildcards
('*' and '?') are allowed.
Red ticks indicate if we already had a QSO (dupe) with this station
(according to the current contest settings).
Changed the order of columns in DXCluster dialog.
Trial period date (for unregistered users) is 15 days after installing the
program.

MixW 201

MixW 2.01:
- New macro:
<INIFILE:file,section,name> - insert a line from an ini-file.
Suppose I have a program that measures the temperature using a sensor
outside of the house and periodically writes the value into
d:\temp\sensor.ini file:
--- start of d:\temp\sensor.ini ---
[Sensor]
Temperature=xx
Humidity=yy
Illumination=zz
--- end of d:\temp\sensor.ini ---
Then I can make a macro:
The current temperature in Kiev is
<INIFILE:d:\temp\sensor.ini,Sensor,Temperature> degrees centigrade.
- Export to CSV format
See the Search Results dialog.
- Export to text format
Text format has been changed.
- PTT & CAT dialog
"DIG" drop-down box sets DIG mode (for YAESUs only) to use LSB, USB, or
FM.
- Search dialog
Added "QSL sent" and "QSL received" search options.

Print support is added.
- CW
Proper receiving of own CW while keying with Joystick or Mouse.
- Install
Icons are created on the desktop and Start Menu.
- Bugs
SSTV dialog remembers the last position

MixW 202

IARU beacons dialog added (menu View > NCDXF/IARU Beacons)
Be sure your computer time is set correctly, high accuracy
(+-1 second) is desired. Use wellknown freeware utilities
like NetDate to be in sync with the whole world automatically.tcp/iiip
GPS or any other precise clock source may be used as well.
Click onto desired frequency to move the TRCVR there.
Previous Fq and mode will be restored after closing the dialog.

TCP/IP connection via PACKET, as an alternative to SV2AGW PACKET
ENGINE and FLEXNET. Requires additional network driver
(For additional information click here)

MixW 203

Mouse wheel support (tunes the transceiver)
(see PTT&CAT settings dialog)

Hellscreiber:
FM mode is added (see mode settings)

SSTV:
CWID is supported now

Icom IC910H, IC718 and Yaesu FT1000M transceivers are added to the CAT list

Scanner dialog (see View - Scanner menu)
Very useful for looking for DX on "dead" bands (10m, 6m, VHF, UHF)

New macros:
- <ALERT:text> - Brings up message box with "text"
- <BEEP:xx>, xx = On or Off. Switches the beeper
- <OnEnterNNN>, <OnLeaveNNN>, NNN = 160m, 80m etc. Macro to
execute nn band change. Define such macros of you need to do
extra work on band change (like run external program to switch relays or
send specipic CAT command to the TRCVR)

Friendly "No Soundcard" message

Manual entry mode now sorts log entries
(see View - Log bar - Manual entry mode menu)

Log scanning procedure improved (takes less time)

VHF 2400/4800 packet is reanimated

Some Brazilian prefixes added

From Configure menu, select "Default macros" or "Macros for this mode", then
click "Edit" to see the list.
Use "Merge from" button to ADD macros to the list. This feature is useful to
add transceiver-specific macros.
For example, CatKenwoodTS450.mc may contain several macros:

Name: AIPON
Label: AIP on
Text: <CATCMD:MX1;>

Name: AIPOFF
Label: AIP off
Text: <CATCMD:MX0;>
and so on.
Then you can use <AIPON> and <AIPOFF> to control the transceiver like if
they were built-in macros

PACKET settings dialog:
- General tab:
- Separate callsign box for TCP/IP operation
- Parameters tab:
- 9600 baud (G3RUH-compatible) bit shapes (select one of 16)
- Beacon/monitor tab:
- Show content of IP/ARP packets
- Baudrate measurement (show baudrate of "I" packets)

Be sure your computer time is set correctly, high accuracy
(+-1 second) is desired. Use wellknown freeware utilities
like NetDate to be in sync with the whole world automatically.
GPS or any other precise clock source may be used as well.
Click onto desired frequency to move the TRCVR there.
Previous Fq and mode will be restored after closing the dialog.

The TRCVR/CAT dialog has an option "Show zero beat frequency"
Export: DxccPfx is added
Statistics: SSTV is no longer DIGITAL
Word mode added (menu View). To turn on or off this mode use new macros
<WORDMODE:ON> or <WORDMODE:OFF>
Capitals Only mode added. Use according macros <CAPITALSONLY:ON> or
<CAPITALSONLY:OFF> to switch the mode.
<MEMW:n> and <MEMR:n> macros are equivalent to Ctrl+n and Alt+n
and can be used to save and restore current frequency and mode.
Some fixes for YAESU CAT control
Elecraft K2 Support added (see Kenwood settings)
Callbook datapath adviser (for those who do not want to read FAQ :-)
CWID amplitude bug fixed (now it follows current mode setting)
SSTV:
- WWV mode can be used to calibrate the soundcard while receiving WWV
signals. Time marks are transmitted on 4996, 9996, 14996 KHz.
Tune TRCVR to 4994.100, 9994.100, 14994.100 (USB) accordingly since
Be patient if you do not hear anything. Time marks aren't transmitted

all the time, up to 5 min. pauses are expected.
- SSTV slant correction can be moved to soundcard samplerate
correction, to let other modes use that correction as well.
See button "Go" in SSTV mode settings dialog.
- Zoom window now is non-modal, so it can be placed anywhere to see
what's being received while preparing the TX picture.
- Up to 16 history bitmaps can be shown now (smaller size, of course)

339. DX info

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-10 17:01:20 UTC
From: DX <nouvelles.dx@libertysurf.fr>
Message-ID: <a468uulea1@norfair.nerim.net>
Source record: 6963

```
For DX info, try the e-group "DX INFO"

Our address :

http://www.dromadaire.com/f5sld/dx

73 and good DX !
Vince'
```

340. Re: APRS & Privacy

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-11 13:50:40 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3C67CC30.9CD627E2@crosslink.net>
Source record: 6964

Doug Gavilanes wrote:
>
> If you eat pretzels, you could choke and pass out...

Hey, don't jest! My daddy came home from the store, poured himself a glass of mile, began eating chocolate covered pretzels, and died of heart failure. Musta been them pretzels! ;o)
KA3DWW

341. Re: APRS & Privacy

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-11 20:40:19 UTC
From: "Bob Lewis (AA4PB)" <rlewis@staffnet.com>
Message-ID: <u6gdt2icbv1k33@corp.supernews.com>
Source record: 6965

> My daddy came home from the store, poured himself a glass of mile

There's the problem! He should has tried milk :-)

342. Re: PSK 31 help needed

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-12 00:31:41 UTC
From: jeff <wd4nmq@earthilnk.net>
Message-ID: <3C6862BF.1CAE42DD@earthilnk.net>
Source record: 6966

The 100:1 sounds like the audio signal will be too weak, especially the
1-2mv signal sounds way to low for audio input to rig. Try removing the
fixed attenuator and place a variable resistor in it's place. Then
transmit and use it to set the mic audio level for best results.

You really should use an isolation transformer on the mic audio at
least. I use a Radio Shack 1:1. Really should have one on both audio
lines.

Hugh Beverley wrote:
>
> I am looking for some help in getting started with PSK31 please.
>
> I have a Yaesu FT77 with 4 pin mic connector (Grd, PTT and Audio)
> I have a laptop computer (with audio out and microphone in) both 3.5mm
> sockets.
> The laptop does not have a LINE-IN or LINE-OUT, but the audio out and
> microphone in sockets such suffice ?
>
> I have DIGIPAN 1.6 software.
>
> I have ?built' the simple interface as shown in the Digipan help file
> as follows:
>
> FT77 headphone to Laptop Microphone In.
> FT77 Mic Audio and Ground to Laptop Audio Out using a 100:1 attenuator
> (2 x resistors).
> FT77 Mic PTT and Ground to Laptop COM port (using a simple switching
> circuit of 2N2222 / diode etc).
>
> So far:
>
> 1. On receive - no problems.
> 2. On Tx ??.. there doesn't seem to be enough voltage from the Audio
> out of the laptop. Measurement of audio (with all computer soundcard
> mixer controls on FULL) is only 1 or 2 mV max. (According to Digipan
> help file this should be 1V when not attenuated and approx 10mv when
> attenuated ?)
> 3. So ? laptop does not seem to be getting sufficient audio to the
> FT77 microphone to modulate the PSK31 signal (whether through the
> attenuator or otherwise !).
> 4. That seems odd because the audio through the laptop audio out
> socket seems very loud when connected to a pair of headphone !
> 5. I have tried adjusting the FT77 MIC GAIN.
> 6. Or perhaps I am on the ?wrong track' ?!

>
> Does anyone have any ideas ? I don't really want to start building an
> interface with OPTO Isolators and transformers unless sit is
> absolutely necessary.
>
> Please either answer here or Email to: Hugh_Beverley@hotmail.com
>
> Thank you !

--
Jeff, wd4nmq
wd4nmq@earthlink.net
http://home.earthlink.net/~wd4nmq

343. Re: DOS first, then Windows

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-12 02:42:35 UTC
From: Julian Frost <jfrost@orion.oac.uci.edu>
Message-ID: <Pine.GSO.4.44.0202111841480.25610-100000@orion.oac.uci.edu>
Source record: 6967

On Thu, 7 Feb 2002, xpyttl wrote:

> Try this:
>
> [Options]
> BootGUI=1
> BootMulti=1
> BootMenu=1
>
> You will gem a menu on boot that allows you to choose DOS or Windoze.

Or just press F8 at the "Starting Windows" message and you'll get the menu
without having to edit any files.

Julian
--
"Those who would give up essential liberty to purchase a little
temporary safety, deserve neither liberty nor safety."

-- Benjamin Franklin
Nov 11 1755, from the Pennsylvania Assembly

344. Re: APRS & Privacy

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-12 06:46:30 UTC
From: Douglas Gavilanes <gavilan1@earthlink.net>
Message-ID: <3C68B9FE.51BDB61E@earthlink.net>
Source record: 6968

When jammers also have APRS running, the FCC computer will tie into the NSA computer and a Brilliant Pebbles satellite will use a laser to take the jammer off the air... permanently.

It could happen! :-)

Doug, N6XQY

Bruce Lane wrote:

> Just a thought that's been kicking 'round my gray matter...
>
> APRS can give the exact GPS-measured position of anyone who cares
> to hook up their GPS receiver, TNC, and transceiver. Base or mobile, it
> matters not. All is revealed in a few squirts of data, in real time.
>
> Has anyone given any thought to the potential for abuse of this
> data, or the APRS system in general? If so, how did such thoughts change
> the way you work with APRS? (assuming you made any sort of change).
>
> Curious...
>
> 73 de KC7GR
>
> --
> Bruce Lane, Owner and Head Hardware Heavy,
> Blue Feather Technologies -- http://www.bluefeathertech.com
> Amateur Radio: KC7GR (Formerly WD6EOS) since 12-77.
> kyrrin (a/t) bluefeathertech dot-com (Reassemble to use)
> "I'll get a life when someone demonstrates to me it would be superior to
> what I have now..." (Taki Kogoma)

345. Re: Comment - why would one want to??? (was Re: Request for Comment - New TNC design)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-13 01:30:42 UTC
From: John Miles <jmiles@pop.removethistomailme.net>
Message-ID: <3C69C18E.445F@pop.removethistomailme.net>
Source record: 6969
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

```
Bishop Bradley wrote:
>
> Part15 devices running 11 Mbps have no value to a Ham. It's
> an unlicensed commercial design, and operates outside of the
> Ham bands.
>
> Hams no longer want to duplicate the internet. Trying to interest
> a Ham in high speed megabit wireless is a no gain exercise.

I don't know that I'd agree with that. :)

-- jm

-------------------------------------------------------
http://www.qsl.net/ke5fx
Note: My E-mail address has been altered to avoid spam
-------------------------------------------------------
```

346. PK232MBX manual on CD and PSK upgrade?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-13 09:46:53 UTC
From: Roger Basford <Basford@btinternet.com>
Message-ID: <znwuPIANYja8Ewtx@btinternet.com>
Source record: 6970

Hi,

Can anyone tell me if the CD-ROM version of the PK232MBX manual supports
the ver. 7.1 EPROMs? I've asked Timewave but have had no reply.

Also, anyone using the PSK mod kit for the 232? Is it a good buy?

Regards,
--
Roger Basford
(G3VKM)

347. APRS PHG Code

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-13 13:22:28 UTC
From: ckg@osu.edu
Message-ID: <3c6a681b.2845813523@nntp.service.ohio-state.edu>
Source record: 6971

Hello all.

When inputting thge height data for your APRS station, should you use
sea level...or ground?

Thanks.

Christopher K. Greenhalgh, N8WCT
AX.25: n8wct@w8cqk.#cmh.oh.usa.noam

"It's just about going fast...that's all...
http://home.insight.rr.com/cgreen"

348. Laptop Power???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-13 20:08:58 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3C6AC7DA.2F198965@crosslink.net>
Source record: 6972

Hi,
Looking at several laptops I find that their AC adapters all output 19VDC but the internal (infernal?) batteries are less than 12V. Is anybody running their laptop directly off the (nominal) 13.8VDC from their car? If so, do you just plug it into the DC input or ???.
TIA
KA3DWW

349. Re: PK232MBX manual on CD and PSK upgrade?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-13 20:28:42 UTC
From: jdouglas@timewave.com
Message-ID: <3c6ac7ac.86806915@news.mcleodusa.net>
Source record: 6973

On Wed, 13 Feb 2002 09:46:53 +0000, Roger Basford
<Basford@btinternet.com> wrote:

>Hi,
>
>Can anyone tell me if the CD-ROM version of the PK232MBX manual supports
>the ver. 7.1 EPROMs? I've asked Timewave but have had no reply.

Yes, The CD copy of the manual has all the attachments.
>
>Also, anyone using the PSK mod kit for the 232? Is it a good buy?

If you already have a PK-232 it is the only solution which allows you
to ran PACTOR under windows as well as the the soundcard modes without
having to change cables or reload the operationg system.

If you dont have a PK-232 and dont plan on running PACTOR the Rig
Blaster is a good choice (I have one).

John Douglas
N&#65533;ISL
Timewave Technology Inc
>
>Regards,
>--
>Roger Basford
>(G3VKM)

350. Re: Laptop Power???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-13 22:49:17 UTC
From: Ken Ward <ken@M3ANDg1itv.fsnet.co.uk>
Message-ID: <a4eqhm$4du$1@news8.svr.pol.co.uk>
Source record: 6974

Vito <vito@crosslink.net> wrote in message
news:3C6AC7DA.2F198965@crosslink.net...
> Hi,
> Looking at several laptops I find that their AC adapters all output
> 19VDC but the internal (infernal?) batteries are less than 12V. Is
> anybody running their laptop directly off the (nominal) 13.8VDC from
> their car? If so, do you just plug it into the DC input or ???.
> TIA
> KA3DWW

I ran a Toshiba from the car but that used a 15volt adaptor.......Give it a
go..It maybe OK but I don't think it will CHARGE the batts

Ken Ward
BOLTON UK

351. Re: APRS PHG Code

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-13 23:55:50 UTC
From: Clint Black <cb@enron.com>
Message-ID: <a2Da8.3171$SJ3.132474@news1.east.cox.net>
Source record: 6975

Read this:

ftp://ftp.tapr.org/aprssig/aprsspec/spec/aprs101/APRS101.pdf

"Christopher K. Greenhalgh" <ckg@osu.edu> wrote
> Hello all.
>
> When inputting thge height data for your APRS station, should you use
> sea level...or ground?

352. Re: Laptop Power???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-14 01:02:16 UTC
From: "Bob Lewis (AA4PB)" <rlewis@staffnet.com>
Message-ID: <u6m350l3d96f69@corp.supernews.com>
Source record: 6976

> Looking at several laptops I find that their AC adapters all output
> 19VDC but the internal (infernal?) batteries are less than 12V. Is
> anybody running their laptop directly off the (nominal) 13.8VDC from
> their car? If so, do you just plug it into the DC input or ???.
> TIA

Automotive electrical systems can have some pretty hefty spikes on them at times (sometimes as high as 60 volts). I wouldn't connect my laptop directly to it without some type of protection. Targus has an "auto/air" adapter out for about $100 that has a programmable output and is supplied with a variety of adapters. You pick the adapter from a list for your make/model computer. The input fits a cigarette lighter or an airliner connector. The one I have doesn't appear to generate any detectable RFI.

353. Re: Laptop Power???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-14 06:41:15 UTC
From: Douglas Gavilanes <gavilan1@earthlink.net>
Message-ID: <3C6B5BCE.7717E68F@earthlink.net>
Source record: 6977

Mine run 15 to 20VDC. The easiest solution is to get a 150W AC-DC
inverter for the cigarette lighter jack, plug in the PC's power cube,
and not worry about reinventing the wheel. I do this on occasion to
reprogram my TNC in the Jeep, and it saves me many headaches.

73,

Doug Gavilanes, N6XQY (N6XQY-12 on APRS)
Garden Grove, CA.

Vito wrote:

> Hi,
> Looking at several laptops I find that their AC adapters all output
> 19VDC but the internal (infernal?) batteries are less than 12V. Is
> anybody running their laptop directly off the (nominal) 13.8VDC from
> their car? If so, do you just plug it into the DC input or ???.
> TIA
> KA3DWW

354. Re: Laptop Power???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-14 14:08:47 UTC
From: Clint Black <cb@enron.com>
Message-ID: <PxPa8.6177$SJ3.213018@news1.east.cox.net>
Source record: 6978

I use a 300 Watt Inverter, and run several AC appliances in
my panel truck, as well as the laptop. I actually have conduit
and a metal receptacle box, that runs all the way to the battery.
The inverter is on the firewall for cooling. Great way to go.

The other thing I found, was a bunch of 12 Volt adapters
from IBM. These plug into the cigarette lighter, and have a
black box that filters and regulates the DC. I got them at a
swap meet for $3 apiece.

"Douglas Gavilanes" <gavilan1@earthlink.net> wrote
>
> Mine run 15 to 20VDC. The easiest solution is to get a 150W AC-DC
> inverter for the cigarette lighter jack, plug in the PC's power cube,
> and not worry about reinventing the wheel. I do this on occasion to
> reprogram my TNC in the Jeep, and it saves me many headaches.

355. Re: Laptop Power???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-14 17:46:36 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3C6BF7FC.D4933A32@crosslink.net>
Source record: 6979

Clint Black wrote:
>
> I use a 300 Watt Inverter, ...

That's what I do now but hope springs eternal .... :o)
Vito

356. I-Link details?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-14 18:47:35 UTC
From: David Cook <nospam.davepc2@oz.net>
Message-ID: <bDTa8.59961$AV5.334831@rwcrnsc51.ops.asp.att.net>
Source record: 6980

Does anyone have any technical details on the I-Link protocol? I've visited http://www.aacnet.net/, of course, but am finding virtually nothing of use. The QST article in this month's issue was essentially a better version of the users guide, but didn't have any details either. Unlike PSK31 where Peter Martinez and others have done an excellent job of making the details available, I-Link seems to be a mystery. I commend Graeme Barnes on the I-Link program, but as a ham, I'm not about to try it if I can't unscrew the panels and inspect the guts first.

Thanks for any pointers and 73 to all,
-- Dave, WA0TTN

357. Re: Laptop Power???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-14 18:50:51 UTC
From: David Cook <nospam.davepc2@oz.net>
Message-ID: <fGTa8.59985$AV5.335076@rwcrnsc51.ops.asp.att.net>
Source record: 6981

I've seen car adapters for laptops at CompUSA. I don't know if they're universal or model-specific. I would guess they do the voltage conversion necessary and also have noise/spike suppression built in.

-- Dave, WA0TTN

"Vito" <vito@crosslink.net> wrote in message news:3C6AC7DA.2F198965@crosslink.net...
> Hi,
> Looking at several laptops I find that their AC adapters all output
> 19VDC but the internal (infernal?) batteries are less than 12V. Is
> anybody running their laptop directly off the (nominal) 13.8VDC from
> their car? If so, do you just plug it into the DC input or ???.
> TIA
> KA3DWW

358. Re: Pactor and PSK31 without soundcard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-14 19:40:54 UTC
From: David E Allen <davea@mse13.cos.agilent.com>
Message-ID: <1013715654.10053@goodnews.cos.agilent.com>
Source record: 6982
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.misc

In rec.radio.amateur.digital.misc Andreas Weller <weller@andreas-weller.de> wrote:
: I want to take my HamRadio Equipment to my holiday. And I want to use Pactor
: and PSK31. But I've only a small pentium 100 laptop with 32 MB RAM and no(!)
: Soundcard.

I didn't know anyone had done pactor with a sound card.
Please tell me more!!!

dave allen, wb0taq, colorado springs

359. Re: Laptop Power???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-14 20:49:20 UTC
From: "F. Feeney" <fkf1@cornell.edu>
Message-ID: <a4h7sg$s1q$1@news01.cit.cornell.edu>
Source record: 6983

In article <3C6AC7DA.2F198965@crosslink.net> Vito, vito@crosslink.net writes:
>Hi,
>Looking at several laptops I find that their AC adapters all output
>19VDC but the internal (infernal?) batteries are less than 12V. Is
>anybody running their laptop directly off the (nominal) 13.8VDC from
>their car? If so, do you just plug it into the DC input or ???.
>TIA
>KA3DWW

I have done just exactly that with an older Gateway that had a power supply rated at 17 volts or so. The computer would run, but it was always giving me the low battery warning, and it would not charge up the battery. But it did run reliably as long as the car was running and the car's buss was being charged up to the nominal 14.5 volts. When i would shut down the car, it would usually hold up for a few minutes and then slowly sink down and error out into sleep mode for 'dead battery' failure.

All I did was fabricate a 12 volt adapter from the car's lighter outlet to the laptop's external power input. As other's have noted, the 12 volt system on a car is subject to some nasty starting spikes, so I took the precaution of not having the computer connected to the car during startup.

I don't know how it will work for computers rated for 19 vdc input, I haven't gotten around to trying that experiment yet as I put an inverter into the car for other purposes and it was just simpler to plug the current laptop into that. But it does make for a rat's nest of wires on the seats or floors. But then, my car is stuffed with ham gear anyway, so nobody really notices a few extra wires.

Hope that helps

Kevin, WB2EMS
(wb2ems-9 on aprs)

360. Re: I-Link details?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-15 12:28:01 UTC
From: VK2JTP <vk2jtp@qsl.net>
Message-ID: <3lvp6u4oldbih83eiga058a0krjip0629h@4ax.com>
Source record: 6984

WHAT .. r u asking for .. the source .. ??

On Thu, 14 Feb 2002 18:47:35 GMT, "David Cook" <nospam.davepc2@oz.net>
wrote:

>Does anyone have any technical details on the I-Link protocol? I've visited
>http://www.aacnet.net/, of course, but am finding virtually nothing of use.
>The QST article in this month's issue was essentially a better version of
>the users guide, but didn't have any details either. Unlike PSK31 where
>Peter Martinez and others have done an excellent job of making the details
>available, I-Link seems to be a mystery. I commend Graeme Barnes on the
>I-Link program, but as a ham, I'm not about to try it if I can't unscrew the
>panels and inspect the guts first.
>
>Thanks for any pointers and 73 to all,
>-- Dave, WA0TTN
>
>

361. Re: I-Link details?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-15 12:58:19 UTC
From: Clint Black <cb@enron.com>
Message-ID: <LB7b8.8771$SJ3.317807@news1.east.cox.net>
Source record: 6985

He wants technical details. Source would be good,
but I don't think that's what he's asking.

"VK2JTP" <vk2jtp@qsl.net> wrote
>
> WHAT .. r u asking for .. the source .. ??
>
>
> "David Cook" <davepc2@oz.net> wrote:
>
> >Does anyone have any technical details on the I-Link protocol? I've
visited
> >http://www.aacnet.net/, of course, but am finding virtually nothing of
use.
> >The QST article in this month's issue was essentially a better version of
> >the users guide, but didn't have any details either. Unlike PSK31 where
> >Peter Martinez and others have done an excellent job of making the
details
> >available, I-Link seems to be a mystery. I commend Graeme Barnes on the
> >I-Link program, but as a ham, I'm not about to try it if I can't unscrew
the
> >panels and inspect the guts first.

362. Re: I-Link details?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-15 17:15:53 UTC
From: David Cook <nospami.davepc2@oz.net>
Message-ID: <dnbb8.66296$AV5.356773@rwcrnsc51.ops.asp.att.net>
Source record: 6986

No, Clint Black is correct, I'm just looking for technical info. For example, what's the network model look like, what TCP port(s) does it use, what's the data protocol, is it based on any standards such as G.723 audio, etc. I'm not interested in the source per se, but would be interested in writing my own implmentation.

If nothing else, I'd like to know if the I-Link details are considered proprietary. If so, then I have no interest in using it. If it's not proprietary, I'd like to have a choice of freeware applications as there is in the PSK31 world. Or possibly write an ActiveX control as I've done for PSK31 (http://www.netdave.com/wa0ttn/PSK31.asp) that would enable others to write I-Link applications of their own.

-- Dave, WA0TTN

"VK2JTP" <vk2jtp@qsl.net> wrote in message
news:3lvp6u4oldbih83eiga058a0krjip0629h@4ax.com...
> WHAT .. r u asking for .. the source .. ??
>
>
> On Thu, 14 Feb 2002 18:47:35 GMT, "David Cook" <nospam.davepc2@oz.net>
> wrote:
>
> >Does anyone have any technical details on the I-Link protocol? I've
visited
> >http://www.aacnet.net/, of course, but am finding virtually nothing of
use.
> >The QST article in this month's issue was essentially a better version of
> >the users guide, but didn't have any details either. Unlike PSK31 where
> >Peter Martinez and others have done an excellent job of making the
details
> >available, I-Link seems to be a mystery. I commend Graeme Barnes on the
> >I-Link program, but as a ham, I'm not about to try it if I can't unscrew
the
> >panels and inspect the guts first.
> >
> >Thanks for any pointers and 73 to all,
> >-- Dave, WA0TTN
> >
> >
>

363. Re: I-Link details?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-15 21:15:50 UTC
From: VK2JTP <vk2jtp@qsl.net>
Message-ID: <58tq6u8me4fqjf2n1kqoah29k76pdfh4fl@4ax.com>
Source record: 6987

I think the only man who can answer all your questions is Graeme,
M)CSH who wrote the program. His e-mail is on his web site aacnet.net.

I do know that it uses UDP Ports 5198 & 5199 and TCP Port 5200.
He also modified the CODEC file to better handle Dial Up in the UK.

I have been involved with iLINK since it started and know that Graeme
has not published any details like those you are looking for.

Terry ... VK2JTP

On Fri, 15 Feb 2002 17:15:53 GMT, "David Cook"
<nospami.davepc2@oz.net> wrote:

>No, Clint Black is correct, I'm just looking for technical info. For
>example, what's the network model look like, what TCP port(s) does it use,
>what's the data protocol, is it based on any standards such as G.723 audio,
>etc. I'm not interested in the source per se, but would be interested in
>writing my own implmentation.
>
>If nothing else, I'd like to know if the I-Link details are considered
>proprietary. If so, then I have no interest in using it. If it's not
>proprietary, I'd like to have a choice of freeware applications as there is
>in the PSK31 world. Or possibly write an ActiveX control as I've done for
>PSK31 (http://www.netdave.com/wa0ttn/PSK31.asp) that would enable others to
>write I-Link applications of their own.
>
>-- Dave, WA0TTN
>
>"VK2JTP" <vk2jtp@qsl.net> wrote in message
>news:3lvp6u4oldbih83eiga058a0krjip0629h@4ax.com...
>> WHAT .. r u asking for .. the source .. ??
>>
>>
>> On Thu, 14 Feb 2002 18:47:35 GMT, "David Cook" <nospam.davepc2@oz.net>
>> wrote:
>>
>> >Does anyone have any technical details on the I-Link protocol? I've
>visited
>> >http://www.aacnet.net/, of course, but am finding virtually nothing of
>use.
>> >The QST article in this month's issue was essentially a better version of
>> >the users guide, but didn't have any details either. Unlike PSK31 where
>> >Peter Martinez and others have done an excellent job of making the
>details
>> >available, I-Link seems to be a mystery. I commend Graeme Barnes on the

>> >I-Link program, but as a ham, I'm not about to try it if I can't unscrew
>the
>> >panels and inspect the guts first.
>> >
>> >Thanks for any pointers and 73 to all,
>> >-- Dave, WA0TTN
>> >
>> >
>>
>

364. Re: Pactor and PSK31 without soundcard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-15 21:31:16 UTC
From: sstvswl <sstvswl@attbi.com>
Message-ID: <E6fb8.62261$fK1.4173967@rwcrnsc54>
Source record: 6988
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.misc

http://ham.kiev.ua/ut2uz/mixw/mixw.htm

David E Allen <davea@mse13.cos.agilent.com> wrote in message
news:1013715654.10053@goodnews.cos.agilent.com...
> In rec.radio.amateur.digital.misc Andreas Weller
<weller@andreas-weller.de> wrote:
> : I want to take my HamRadio Equipment to my holiday. And I want to use
Pactor
> : and PSK31. But I've only a small pentium 100 laptop with 32 MB RAM and
no(!)
> : Soundcard.
>
> I didn't know anyone had done pactor with a sound card.
> Please tell me more!!!
>
> dave allen, wb0taq, colorado springs

365. Re: Pactor and PSK31 without soundcard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-15 22:44:35 UTC
From: "Bob Lewis (AA4PB)" <rlewis@staffnet.com>
Message-ID: <u6r3qqe9f8n6e6@corp.supernews.com>
Source record: 6989
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.misc

MixW only receives Pactor ARQ. You cannot link with another station.

366. Re: I-Link details?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-15 23:50:27 UTC
From: Don Miller <brazzos@hotmail.com>
Message-ID: <a4k6e1$hn9$1@iac5.navix.net>
Source record: 6990

I downloaded iLink and tried to use it. It loaded ok, saw the begin window, when I highlighted and pressed go to connect, I was not able to get audio across. In a smaller window, the prompt constantly showed receive, but standby always flashed in red, and decoding entry was seen. I looked under help and all the various buttons but was not able to remedy the problem. I also emailed for help 3 days ago, no response. The program looks great to use, I wish it would and if the author,programmer is reading this please email back with help and I'd love to re-install again. I believe the help and solution area are a bit weak but overall I'm real disappointed that I could not get it to xmit or receive on repeater.

Don Miller
WN8IIJ

"David Cook" <nospam.davepc2@oz.net> wrote in message
news:bDTa8.59961$AV5.334831@rwcrnsc51.ops.asp.att.net...
> Does anyone have any technical details on the I-Link protocol? I've
visited
> http://www.aacnet.net/, of course, but am finding virtually nothing of
use.
> The QST article in this month's issue was essentially a better version of
> the users guide, but didn't have any details either. Unlike PSK31 where
> Peter Martinez and others have done an excellent job of making the details
> available, I-Link seems to be a mystery. I commend Graeme Barnes on the
> I-Link program, but as a ham, I'm not about to try it if I can't unscrew
the
> panels and inspect the guts first.
>
> Thanks for any pointers and 73 to all,
> -- Dave, WA0TTN
>
>
>

367. Re: I-Link details?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-16 03:43:27 UTC
From: David Cook <nospami.davepc2@oz.net>
Message-ID: <zzkb8.63685$fK1.4176103@rwcrnsc54>
Source record: 6991

Thanks Terry. I just fired off a message to Graeme. In the meantime, I came across IRLP which may be of some help in understanding the evolution of I-Link. I appreciate your comments, 73.

"VK2JTP" <vk2jtp@qsl.net> wrote in message news:58tq6u8me4fqjf2n1kqoah29k76pdfh4fl@4ax.com...
> I think the only man who can answer all your questions is Graeme,
> M)CSH who wrote the program. His e-mail is on his web site aacnet.net.
>
> I do know that it uses UDP Ports 5198 & 5199 and TCP Port 5200.
> He also modified the CODEC file to better handle Dial Up in the UK.
>
> I have been involved with iLINK since it started and know that Graeme
> has not published any details like those you are looking for.
>
> Terry ... VK2JTP
>
>
> On Fri, 15 Feb 2002 17:15:53 GMT, "David Cook"
> <nospami.davepc2@oz.net> wrote:
>
> >No, Clint Black is correct, I'm just looking for technical info. For
> >example, what's the network model look like, what TCP port(s) does it use,
> >what's the data protocol, is it based on any standards such as G.723 audio,
> >etc. I'm not interested in the source per se, but would be interested in
> >writing my own implmentation.
> >
> >If nothing else, I'd like to know if the I-Link details are considered
> >proprietary. If so, then I have no interest in using it. If it's not
> >proprietary, I'd like to have a choice of freeware applications as there is
> >in the PSK31 world. Or possibly write an ActiveX control as I've done for
> >PSK31 (http://www.netdave.com/wa0ttn/PSK31.asp) that would enable others to
> >write I-Link applications of their own.
> >
> >-- Dave, WA0TTN
> >
> >"VK2JTP" <vk2jtp@qsl.net> wrote in message
> >news:3lvp6u4oldbih83eiga058a0krjip0629h@4ax.com...
> >> WHAT .. r u asking for .. the source .. ??
> >>

> >>
> >> On Thu, 14 Feb 2002 18:47:35 GMT, "David Cook" <nospam.davepc2@oz.net>
> >> wrote:
> >>
> >> >Does anyone have any technical details on the I-Link protocol? I've
> >visited
> >> >http://www.aacnet.net/, of course, but am finding virtually nothing of
> >use.
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of
> >> >the users guide, but didn't have any details either. Unlike PSK31
where
> >> >Peter Martinez and others have done an excellent job of making the
> >details
> >> >available, I-Link seems to be a mystery. I commend Graeme Barnes on
the
> >> >I-Link program, but as a ham, I'm not about to try it if I can't
unscrew
> >the
> >> >panels and inspect the guts first.
> >> >
> >> >Thanks for any pointers and 73 to all,
> >> >-- Dave, WA0TTN
> >> >
> >> >
> >>
> >
>

368. Re: I-Link details?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-16 03:48:01 UTC
From: David Cook <nospami.davepc2@oz.net>
Message-ID: <RDkb8.68261$Pz4.332643@rwcrnsc53>
Source record: 6992

I had some difficulties getting it working and traced it down to (probably) my cable ISP service not routing some of the necessary packets. When I tried it on my dialup ISP, it worked great. I think tunneling is going to be an issue using UDP or arbitrary TCP ports. He's got support for ICS, but that's only if you've got control of your firewal, not if your ISP is filtering packets. I hope to get more enlightenment on the future of I-Link from Graeme.

"Don Miller" <brazzos@hotmail.com> wrote in message news:a4k6e1$hn9$1@iac5.navix.net...
> I downloaded iLink and tried to use it. It loaded ok, saw the begin window,
> when I highlighted and pressed go to connect, I was not able to get audio
> across. In a smaller window, the prompt constantly showed receive, but
> standby always flashed in red, and decoding entry was seen. I looked under
> help and all the various buttons but was not able to remedy the problem. I
> also emailed for help 3 days ago, no response. The program looks great to
> use, I wish it would and if the author,programmer is reading this please
> email back with help and I'd love to re-install again. I believe the help
> and solution area are a bit weak but overall I'm real disappointed that I
> could not get it to xmit or receive on repeater.
>
> Don Miller
> WN8IIJ
>
>
> "David Cook" <nospam.davepc2@oz.net> wrote in message
> news:bDTa8.59961$AV5.334831@rwcrnsc51.ops.asp.att.net...
> > Does anyone have any technical details on the I-Link protocol? I've
> visited
> > http://www.aacnet.net/, of course, but am finding virtually nothing of
> use.
> > The QST article in this month's issue was essentially a better version
of
> > the users guide, but didn't have any details either. Unlike PSK31 where
> > Peter Martinez and others have done an excellent job of making the
details
> > available, I-Link seems to be a mystery. I commend Graeme Barnes on the
> > I-Link program, but as a ham, I'm not about to try it if I can't unscrew
> the
> > panels and inspect the guts first.
> >
> > Thanks for any pointers and 73 to all,
> > -- Dave, WA0TTN

> >
> >
> >
>
>

369. SkySweeper 2.7

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-16 10:50:51 UTC
From: Arto Peltomaki <artsi@estla.pp.fi>
Message-ID: <fQqb8.10297$zZ5.216845@news.kpnqwest.fi>
Source record: 6993

The new version 2.7 of Skysweeper seems to be released (www.skysweep.com)
Now it seems to have also SSTV and HELL transmitters.

-artsi

370. Re: I-Link details?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-16 14:13:45 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna6sq8p.5bb.nomail@linux.pe1chl.ampr.org>
Source record: 6994

VK2JTP <vk2jtp@qsl.net> wrote:
>I think the only man who can answer all your questions is Graeme,
>M)CSH who wrote the program. His e-mail is on his web site aacnet.net.

>I do know that it uses UDP Ports 5198 & 5199 and TCP Port 5200.

5194-5199 Unassigned
targus-getdata 5200/tcp TARGUS GetData

Why are so many programmers using unregistered ports, or ports registered
to someone else?

(otoh I would not know why an ISP would be filtering these ports....)

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

371. Re: Laptop Power???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-16 16:58:52 UTC
From: MVolz <mvolz@houston.rr.com>
Message-ID: <3C6E8FD2.4BB94A05@houston.rr.com>
Source record: 6995

Most manfacturers sell plug-in adapters for their laptops. Maybe, read
the owner's manual?
MV

Vito wrote:

> Hi,
> Looking at several laptops I find that their AC adapters all output
> 19VDC but the internal (infernal?) batteries are less than 12V. Is
> anybody running their laptop directly off the (nominal) 13.8VDC from
> their car? If so, do you just plug it into the DC input or ???.
> TIA
> KA3DWW

372. SkySweeper

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-16 17:43:10 UTC
From: matthew227@hotmail.com
Message-ID: <28561308.0202160943.2408be93@posting.google.com>
Source record: 6996

Does anyone have the activation code for SkySweeper 2.7...

373. Re: SkySweeper

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-16 18:19:42 UTC
From: Bruce Lane <spammers@buzz.off>
Message-ID: <MPG.16d8429d6320ccd09897cf@news.drizzle.com>
Source record: 6997

In article <28561308.0202160943.2408be93@posting.google.com>,
matthew227@hotmail.com says...

> Does anyone have the activation code for SkySweeper 2.7...

You should be able to obtain one by paying for your copy, just like
those of us who feel that SkySweeper's author deserves compensation for
the enormous amount of work that was put into the program.

--
Bruce Lane, Owner and Head Hardware Heavy,
Blue Feather Technologies -- http://www.bluefeathertech.com
Amateur Radio: KC7GR (Formerly WD6EOS) since 12-77.
kyrrin (a/t) bluefeathertech dot-com (Reassemble to use)
"I'll get a life when someone demonstrates to me it would be superior to
what I have now..." (Taki Kogoma)

374. Re: Pactor and PSK31 without soundcard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-16 22:54:03 UTC
From: jfenn@lava.net
Message-ID: <a4mnubnme1@mochi.lava.net>
Source record: 6998
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.misc

Yeah I didnt know that either! When did somebody come up
with a way to do PACTOR with a sound card huh???
Joe (aka kilroy)

****
* Ham KH6JF MARS QCWA WW2 VET WD RADIO *
****

375. Re: Pactor and PSK31 without soundcard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-16 23:28:50 UTC
From: Rob <Pse@NoEmail.Com>
Message-ID: <O_Bb8.5380$EI.29187@tor-nn1.netcom.ca>
Source record: 6999
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.misc

Yes, you can run PACTOR ARQ with a sound card BUT NOT UNDER WINDOWS!

It is WINDOWS that is the problem. RITTY version 2.xx by K6STI will operate RTTY and PACTOR (RX and TX) using a sound card. But RITTY only operates under DOS! Unfortunately, RITTY is NOT free. You must buy it!

But Note the newer versions of RITTY only support RTTY not PACTOR. But I understand that you can still buy licences for version 2.xx from K6STI

If you really want to operate PACTOR without spending very much $$$, pick up an old RTTY terminal Unit like the AEA CP-1 for $10 off EBAY and run the FREE TERMAN93 program under DOS. TERMAN93 will let you operate RTTY, AMTOR and PACTOR under DOS using a simple TU.

(Another choice is to use the BMK-MULTY software by G4BMK which is apparently a little better than TERMAN93 but costs$$).

Rob

<jfenn@lava.net> wrote in message news:a4mnubnme1@mochi.lava.net...
> Yeah I didnt know that either! When did somebody come up
> with a way to do PACTOR with a sound card huh???
> Joe (aka kilroy)
>
>
>
> **
> * Ham KH6JF MARS QCWA WW2 VET WD RADIO *
> **
>

376. OPC-474 programming Cable

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-17 03:11:22 UTC
From: Michael Harbour <n5vws@bellsouth.net>
Message-ID: <72Fb8.16$08.11163@e3500-atl1.usenetserver.com>
Source record: 7000

I need a schematic of an OPC-474 Programming Cable to program my ICOM 2100H.
Anyone with this information please email me at jrone1@yahoo.com

377. APRSPoint 1.2 available

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-17 03:33:26 UTC
From: Michael <hkc2001@pacbell.net>
Message-ID: <awFb8.385$mw2.390704351@newssvr14.news.prodigy.com>
Source record: 6901

APRSPoint 1.2 is available for download. Visit www.aprspoint.com for details. Thanks.

Michael

378. New Web Site

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-17 06:01:46 UTC
From: joehawk@mac.com
Message-ID: <78a8e86f.0202162201.15ef92b4@posting.google.com>
Source record: 6902

Greetings,

We have started a Radio Monitoring Top Sites List that deals with all areas of radio monitoring. I invite you to check it out and hopefully list your site.

http://www.topsitelists.com/start/hawkins/

Best regards,

Joe Hawkins

379. Re: I-Link details?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-17 07:08:39 UTC
From: VK2JTP <vk2jtp@qsl.net>
Message-ID: <g8ku6uosmqrj2qt2jnsih45esnrit00krb@4ax.com>
Source record: 6903

I assume when you started the program for the 1st time you entered
your call sign, followed the instructions and waited for your call
sign to validated.

Usually connections are related to networking.

There is a four page article in the March issue of QST about the
program which i understand is now on the streets in the US.

The guy who wrote the program is some days getting over 100 e-mails,
probably a bit much to try and keep up.

He started a yahoo group ILINK-GEN where you will get lots of help.

Lots of guys in the US are in the group.

Terry ... VK2JTP

On Fri, 15 Feb 2002 18:50:27 -0500, "Don Miller" <brazzos@hotmail.com>
wrote:

>I downloaded iLink and tried to use it. It loaded ok, saw the begin window,
>when I highlighted and pressed go to connect, I was not able to get audio
>across. In a smaller window, the prompt constantly showed receive, but
>standby always flashed in red, and decoding entry was seen. I looked under
>help and all the various buttons but was not able to remedy the problem. I
>also emailed for help 3 days ago, no response. The program looks great to
>use, I wish it would and if the author,programmer is reading this please
>email back with help and I'd love to re-install again. I believe the help
>and solution area are a bit weak but overall I'm real disappointed that I
>could not get it to xmit or receive on repeater.
>
>Don Miller
>WN8IIJ
>
>
>"David Cook" <nospam.davepc2@oz.net> wrote in message
>news:bDTa8.59961$AV5.334831@rwcrnsc51.ops.asp.att.net...
>> Does anyone have any technical details on the I-Link protocol? I've
>visited
>> http://www.aacnet.net/, of course, but am finding virtually nothing of
>use.
>> The QST article in this month's issue was essentially a better version of
>> the users guide, but didn't have any details either. Unlike PSK31 where
>> Peter Martinez and others have done an excellent job of making the details
>> available, I-Link seems to be a mystery. I commend Graeme Barnes on the
>> I-Link program, but as a ham, I'm not about to try it if I can't unscrew

>the
>> panels and inspect the guts first.
>>
>> Thanks for any pointers and 73 to all,
>> -- Dave, WA0TTN
>>
>>
>>
>

380. Re: I-Link details?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-17 16:41:46 UTC
From: David Cook <nospami.davepc2@oz.net>
Message-ID: <e3Rb8.77673$Pz4.349340@rwcrnsc53>
Source record: 6904

I may be incorrect, but I seem to recall that the port numbers are not "registered" but rather are identified as "well-known". Well-known ports are associated with well-known protocols, but that doesn't restrict the use of either the port numbers or the protocols to their associations. We all know, of course, that port numbers below 1000 are considered taboo and can't only be accessed by system processes, but above that, anything goes. It's kind of silly, in fact, that way back in the early daysm, so many port numbers were designated for now-obsolete protocols.

The only problem I can think of with using the same port numbers for multiple protocols would be the listeners would be receiving packets that they wouldn't be able to understand. A properly written daemon should simply discard data it doesn't recognize as it's protocol format.

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message news:slrna6sq8p.5bb.nomail@linux.pe1chl.ampr.org...
> VK2JTP <vk2jtp@qsl.net> wrote:
> >I think the only man who can answer all your questions is Graeme,
> >M)CSH who wrote the program. His e-mail is on his web site aacnet.net.
>
> >I do know that it uses UDP Ports 5198 & 5199 and TCP Port 5200.
>
> # 5194-5199 Unassigned
> targus-getdata 5200/tcp TARGUS GetData
>
>
> Why are so many programmers using unregistered ports, or ports registered
> to someone else?
>
> (otoh I would not know why an ISP would be filtering these ports....)
>
> Rob
> --
> +---------------------------------+--------------------------------------+
> | Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
> | AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
> +---------------------------------+--------------------------------------+

381. 1967 to 1977 old call book

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-17 17:05:16 UTC
From: Jay Tuttle <tuttlej3@attbi.com>
Message-ID: <gpRb8.77773$Pz4.348747@rwcrnsc53>
Source record: 6905

Help! I need to find an old call sign listing for current FCC test I am taking. My call sign was WA7HYX. If you can provide this information please email me at tuttlej2@attbi.com

382. FS:Scopes HP,TEK,Hitachi

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-17 21:30:11 UTC
From: Bob Stamper <rstamp@worldnet.att.net>
Message-ID: <DhVb8.7866$BR3.401356@bgtnsc04-news.ops.worldnet.att.net>
Source record: 6906

Hello,the following scopes are available for sale.
.
1----HP1741A 100 MHz dual trace, needs power supply repair.Includes the operators guide,a TEK P6000 probe and pouch on top.Asking $50.00

1----HP1715A 200 MHz dual trace, works good probably needs calibration.Includes manual and TEK P6006,P6012 probes and pouch on top.Asking $100.00

1----HITACHI V422 40 MHz dual trace,works good.Includes TEK P6010 probe.Asking $75.00

1----TEKTRONIX 2445 150 MHz 4 trace,works good.Includes TEK P6138 probe. Asking $550.00

All are + shipping,lower 48 only.

Regards
Bob Stamper

383. Re: Is Skysweeper the best or just the dearest?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-18 14:54:11 UTC
From: Martin <mab@delete-this.capita.nildram.co.uk>
Message-ID: <u724s1cj20l2d3@corp.supernews.com>
Source record: 6907

I like the functionality and user interface, but I often find that it does
not as good a job
of decoding as MixW which is a lot cheaper!

Martin (G8FXC)

"gk" <gk@bigpond.net.au> wrote in message
news:BBWR7.453517$bY5.1863297@news-server.bigpond.net.au...
> Is Skysweeper the best or just the dearest signal decoder/encoder/analyser
> available (software based via soundcard that is)
>
>
>

384. Getting into Packet...

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-18 17:25:18 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020218122518.25151.00001822@mb-ft.aol.com>
Source record: 6908

Hello all. I will be moving soon and when I relocate the shack, I plan on having my 2m radio next to the computer and I want to do some packet work. I am probably buying a Yaesu FT-2600, with the dataport on the back of the radio, so I can keep the microphone plugged in to work the local repeaters/simplex frequencies.

Does anyone have an opinion of this radio for 2m packet? Also, what features should I look for in a TNC? I've seen lots of MFJ TNC's for sale. What are the different modes? I am not really sure exactly what I want to do on packet, but I figured it would be fun to use to log onto Packet BBS's and callsign servers at the very least.

Any insight on this topic would be greatly appretiated.
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Toms River, NJ USA! Grid FM29ww
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

385. MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-19 00:25:09 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0202181625.7f6698b1@posting.google.com>
Source record: 6909

I've erected a MURS packet radio station in the San Diego area on 151.940Mhz. Anyone interested in running AX.25 experiments as a precursor to implentation of initial MURSlink testing - please refer to:

http://groups.yahoo.com/group/murslink/

-- horseshoe7, Stewart, N0MHS

386. Re: Getting into Packet...

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-19 03:29:37 UTC
From: Robert Ramsey <rramsey@ezo.net>
Message-ID: <u73h68d5kn8dad@corp.supernews.com>
Source record: 6910

Hello Tom,

I'm using a Yaesu FT-1500 2 meter mobile for packet. It's a single band radio but it puts out 50 watts and only cost 150$. With a built in data jack it's ready for packet 1200 / 9600 baud. For a TNC I'm using the kantronics kpc3+. It was 150 bucks and works great for regular packet and APRS. I have my setup on my web page at http://my.raex.com/~rramsey click on kc8kpx.

My 2 cents,

Rob Ramsey
kc8kpx
Colorado Springs

"VHFRadioBuff" <vhfradiobuff@aol.comspamsux> wrote in message news:20020218122518.25151.00001822@mb-ft.aol.com...
> Hello all. I will be moving soon and when I relocate the shack, I plan on
> having my 2m radio next to the computer and I want to do some packet work. I am
> probably buying a Yaesu FT-2600, with the dataport on the back of the radio, so
> I can keep the microphone plugged in to work the local repeaters/simplex
> frequencies.
>
> Does anyone have an opinion of this radio for 2m packet? Also, what features
> should I look for in a TNC? I've seen lots of MFJ TNC's for sale. What are the
> different modes? I am not really sure exactly what I want to do on packet, but
> I figured it would be fun to use to log onto Packet BBS's and callsign servers
> at the very least.
>
> Any insight on this topic would be greatly appretiated.
> =-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
> 73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
> Toms River, NJ USA! Grid FM29ww
> http://vhfradiobuff.tripod.com
> http://edfas.tripod.com

387. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-19 04:25:56 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <otkc8.11609$BR3.630691@bgtnsc04-news.ops.worldnet.att.net>
Source record: 6911

"stewart" <horseshoe7@yahoo.com> wrote in message
news:5f4fe4c2.0202181625.7f6698b1@posting.google.com...
> I've erected a MURS packet radio station in the San Diego area on
> 151.940Mhz. Anyone interested in running AX.25 experiments as a
> precursor to implentation of initial MURSlink testing - please refer
> to:
>
> http://groups.yahoo.com/group/murslink/

Hey that's neat!
Can I use my ham radio callsign on that frequency?
Perhaps 2M has been extended, and I didn't notice?

--

... Hank

http://horedson.home.att.net

388. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-19 06:03:18 UTC
From: stewart teaze <horseshoe7@yahoo.com>
Message-ID: <GUlc8.12379$qj4.1726384239@newssvr15.news.prodigy.com>
Source record: 6912

"Hank Oredson" <horedson@att.net> wrote in message
news:<otkc8.11609$BR3.630691@bgtnsc04-news.ops.worldnet.att.net>...
>
> "stewart" <horseshoe7@yahoo.com> wrote in message
> news:5f4fe4c2.0202181625.7f6698b1@posting.google.com...
> > I've erected a MURS packet radio station in the San Diego area on
> > 151.940Mhz. Anyone interested in running AX.25 experiments as a
> > precursor to implentation of initial MURSlink testing - please refer
> > to:
> >
> > http://groups.yahoo.com/group/murslink/
>
> Hey that's neat!
> Can I use my ham radio callsign on that frequency?

The world is changing faster every day, old boy - are you EVER going to try
to learn some new tricks?

> Perhaps 2M has been extended, and I didn't notice?

Don't mind Hank - he is LOS-impaired by his hilly/backwoods location... as
such, he has trouble thinking outside of the box. He criticizes any
attempts to use Internet backbones, replace AX.25 with something more
efficient, or to conduct business on MURS.

Only a faint memory for most of us - he pines for the old days of
HF-backboned PBBS networks... when Morse Code defense, and this kind of
silly, non-productive jiving were "in".

Hank is a true "living museum piece".

389. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-19 08:52:44 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna744is.qoh.nomail@linux.pe1chl.ampr.org>
Source record: 6913

Hank Oredson <horedson@att.net> wrote:

>"stewart" <horseshoe7@yahoo.com> wrote in message
>news:5f4fe4c2.0202181625.7f6698b1@posting.google.com...
>> I've erected a MURS packet radio station in the San Diego area on
>> 151.940Mhz. Anyone interested in running AX.25 experiments as a
>> precursor to implentation of initial MURSlink testing - please refer
>> to:

>> http://groups.yahoo.com/group/murslink/

>Hey that's neat!
>Can I use my ham radio callsign on that frequency?
>Perhaps 2M has been extended, and I didn't notice?

I don't know the situation in the US, but here the similar "licenses"
don't require you to identify at all. When you want, you can use any
skipname for your station. Can be your name, your license plate, any
word you choose, even W0RLI.

In fact, when I use such a radio here I could use W0RLI as a callsign.
I certainly could use PE1CHL.

Most Dutch stations use callsigns starting with NL, which is a customary
abbreviation for Netherlands. They are not aware that in the amateur
radio world the NL prefix is allocated to Alaska. And really, they do
not need to care.

(this has caused some confusion when people set up (illegal) gateways
to the amateur packet system)

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

390. Re: Pactor and PSK31 without soundcard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-19 11:50:21 UTC
From: hamish@cloud.net.au
Message-ID: <3c723bfd$0$18469$afc38c87@news.optusnet.com.au>
Source record: 6914
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.misc

In rec.radio.amateur.digital.misc Rob <Pse@noemail.com> wrote:
> It is WINDOWS that is the problem. RITTY version 2.xx by K6STI will operate
> RTTY and PACTOR (RX and TX) using a sound card. But RITTY only operates
> under DOS! Unfortunately, RITTY is NOT free. You must buy it!

And it needs a particular type of sound card which is (AFAIK) no longer
available and was (I think) never very popular.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

391. Re: Getting into Packet...

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-19 15:42:54 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020219104254.26822.00000687@mb-ce.aol.com>
Source record: 6915

>I'm using a Yaesu FT-1500 2 meter mobile for packet. It's a single band
>radio but it puts out 50 watts and only cost 150$. With a built in data
>jack it's ready for packet 1200 / 9600 baud. For a TNC I'm using the
>kantronics kpc3+. It was 150 bucks and works great for regular packet and
>APRS. I have my setup on my web page at http://my.raex.com/~rramsey click
>on kc8kpx.
>

Well, the FT-2600 I wanted to buy has been sold, but right now AES and HRO are
both selling it for $170 new (it's a special coupon), so I might buy one of
those...
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Toms River, NJ USA! Grid FM29ww
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

392. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-19 16:38:12 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <Ubvc8.12241$BR3.693107@bgtnsc04-news.ops.worldnet.att.net>
Source record: 6916

"stewart teaze" <horseshoe7@yahoo.com> wrote in message
news:GUlc8.12379$qj4.1726384239@newssvr15.news.prodigy.com...
> "Hank Oredson" <horedson@att.net> wrote in message
> news:<otkc8.11609$BR3.630691@bgtnsc04-news.ops.worldnet.att.net>...
> >
> > "stewart" <horseshoe7@yahoo.com> wrote in message
> > news:5f4fe4c2.0202181625.7f6698b1@posting.google.com...
> > > I've erected a MURS packet radio station in the San Diego area on
> > > 151.940Mhz. Anyone interested in running AX.25 experiments as a
> > > precursor to implentation of initial MURSlink testing - please refer
> > > to:
> > >
> > > http://groups.yahoo.com/group/murslink/
> >
> > Hey that's neat!
> > Can I use my ham radio callsign on that frequency?
>
> The world is changing faster every day, old boy - are you EVER going to try
> to learn some new tricks?

What is "new" about packet on 2M?

> > Perhaps 2M has been extended, and I didn't notice?
>
> Don't mind Hank - he is LOS-impaired by his hilly/backwoods location... as
> such, he has trouble thinking outside of the box. He criticizes any
> attempts to use Internet backbones, replace AX.25 with something more
> efficient, or to conduct business on MURS.

What's "more efficient" about doing the exact same thing
we've been doing since 1983?

> Only a faint memory for most of us - he pines for the old days of
> HF-backboned PBBS networks... when Morse Code defense, and this kind of
> silly, non-productive jiving were "in".

How does any of what you post relate to ham radio?

> Hank is a true "living museum piece".

I'm mature enough to know the difference between radio,
ham radio, CB, et al. Are you?

--

... Hank

http://horedson.home.att.net

393. APRS using Garmin GPS55AVD w/Alinco DR-135TP ??

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-19 17:39:12 UTC
From: nospamkb8fxg@hotnospammail.com
Message-ID: <3c728d25.174155632@news.gvtc.com>
Source record: 6917

I have a Garmin GPS55AVD aviation handheld GPS that I have had since circa 1992-93 that was hot stuff for us pilots in its day. (no more Loran! Yea!) Anyway, now I would like to hook it up to an alinco dr-135tp and go mobile aprs. I have 3 problems.

1) I dont have the original power/data cable plug (that came with the mounting bracket) because I never used the mounting bracket... instead using a aftermarket yoke mount with a cigaratte lighter power plug.

2) Assuming I can aquire or make up a cable, the gps manual talks of a NMEA "A" , "B" and shield leads... how would these be wired to the mini-plug on the Alinco? (will damage result if trial and error gets them reversed? or is there a standard?)

3) Interfaces listed for the gps are NMEA 0180,0182,0183 version 1.5: dec 1987) with quite a number of approved sentences and transmission rates (time).... however I have no information on baud rate, parity, etc... IE: will this even work?

Any information or ideas would be helpful.

-Chip KB8FXG

394. Re: APRS & Privacy

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-19 17:54:58 UTC
From: Dick Carroll <dickc58@worldnet.att.net>
Message-ID: <3C73D593.2CC73BCA@worldnet.att.net>
Source record: 6918

Douglas Gavilanes wrote:

> When jammers also have APRS running, the FCC computer will tie into the NSA
> computer and a Brilliant Pebbles satellite will use a laser to take the
> jammer off the air... permanently.
>
> It could happen! :-)

Anything 'could' happen! But I wonder if the original poster wasn't thinking in post-Sept 11 terms. Given terrorists penchant for using simple methods and someone else's systems already in place, could/would they use ARPS to coordinate their plans?

Dick W0EX

395. pactor w/ old radios?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-19 19:15:36 UTC
From: David E Allen <davea@mse13.cos.agilent.com>
Message-ID: <1014146136.966965@goodnews.cos.agilent.com>
Source record: 6919

Hi, all.
I just got a KAM+ to use on pactor, but it doesn't connect to distant stations. I can connect fine with a friend across town. I'm wondering if my AGC is too slow or something. I'm using a heath sb-401 transmitter and Drake 2-B receiver. The 2-B is set to fast agc (or course) but still I wonder if it's quick enough to "hear" the ack. I am getting an ack or chirp back from the other station, so I know I'm "hitting" it. Just not hearing it right...

Does anyone have any experience with the older radios. I'd hate to think that I have to buy a new digital radio just for pactor. - if that really is the problem...

Thanks and 73
dave allen, wb0taq, colorado springs

396. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-19 20:27:16 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0202192024470.16069-100000@exp.bde-arc.ampr.org>
Source record: 6920

On 19 Feb 2002, Rob Janssen wrote:
>Hank Oredson <horedson@att.net> wrote:
>>"stewart" <horseshoe7@yahoo.com> wrote in message
>>news:5f4fe4c2.0202181625.7f6698b1@posting.google.com...
>>> I've erected a MURS packet radio station in the San Diego area on
>>> 151.940Mhz. Anyone interested in running AX.25 experiments as a
>>> precursor to implentation of initial MURSlink testing - please refer
>>> to:
>
>>> http://groups.yahoo.com/group/murslink/
>
>>Hey that's neat!
>>Can I use my ham radio callsign on that frequency?
>>Perhaps 2M has been extended, and I didn't notice?
>
>I don't know the situation in the US, but here the similar "licenses"
>don't require you to identify at all. When you want, you can use any
>skipname for your station. Can be your name, your license plate, any
>word you choose, even W0RLI.
>
>In fact, when I use such a radio here I could use W0RLI as a callsign.
>I certainly could use PE1CHL.

Actually, our FCC rules do forbid the use of a callsign of another licensed service and/or the use of a callsign not assigned to one's self. One needs to check international treaty to see if this is worldwide.

>Most Dutch stations use callsigns starting with NL, which is a customary
>abbreviation for Netherlands. They are not aware that in the amateur
>radio world the NL prefix is allocated to Alaska. And really, they do
>not need to care.
>
>(this has caused some confusion when people set up (illegal) gateways
>to the amateur packet system)

And rightly so, since within the U.S., such a practice is illegal.

397. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-19 20:28:49 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0202192028270.16069-100000@exp.bde-arc.ampr.org>
Source record: 6921

```
On Tue, 19 Feb 2002, Hank Oredson wrote:
>"stewart teaze" <horseshoe7@yahoo.com> wrote in message
>news:GUlc8.12379$qj4.1726384239@newssvr15.news.prodigy.com...
>> "Hank Oredson" <horedson@att.net> wrote in message
>> news:<otkc8.11609$BR3.630691@bgtnsc04-news.ops.worldnet.att.net>...
>> >
>> > "stewart" <horseshoe7@yahoo.com> wrote in message
>> > news:5f4fe4c2.0202181625.7f6698b1@posting.google.com...
>> > > I've erected a MURS packet radio station in the San Diego area on
>> > > 151.940Mhz. Anyone interested in running AX.25 experiments as a
>> > > precursor to implentation of initial MURSlink testing - please refer
>> > > to:
>> > >
>> > > http://groups.yahoo.com/group/murslink/
>> >
>> > Hey that's neat!
>> > Can I use my ham radio callsign on that frequency?
>>
>> The world is changing faster every day, old boy - are you EVER going to try
>> to learn some new tricks?
>
>What is "new" about packet on 2M?
>
>> > Perhaps 2M has been extended, and I didn't notice?
>>
>> Don't mind Hank - he is LOS-impaired by his hilly/backwoods location... as
>> such, he has trouble thinking outside of the box. He criticizes any
>> attempts to use Internet backbones, replace AX.25 with something more
>> efficient, or to conduct business on MURS.
>
>What's "more efficient" about doing the exact same thing
>we've been doing since 1983?
>
>> Only a faint memory for most of us - he pines for the old days of
>> HF-backboned PBBS networks... when Morse Code defense, and this kind of
>> silly, non-productive jiving were "in".
>
>How does any of what you post relate to ham radio?
>
>> Hank is a true "living museum piece".
>
>I'm mature enough to know the difference between radio,
>ham radio, CB, et al. Are you?
```

I think this pretty much sums this up:

Not this ... . - again.

398. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-19 21:56:32 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna75igg.tmj.nomail@linux.pe1chl.ampr.org>
Source record: 6922

D. Stussy <kd6lvw@bde-arc.ampr.org> wrote:
>>Most Dutch stations use callsigns starting with NL, which is a customary
>>abbreviation for Netherlands. They are not aware that in the amateur
>>radio world the NL prefix is allocated to Alaska. And really, they do
>>not need to care.

>>(this has caused some confusion when people set up (illegal) gateways
>>to the amateur packet system)

>And rightly so, since within the U.S., such a practice is illegal.

Ironically, they were forced into using callsigns that resemble amateur
radio callsigns by U.S. software that would reject their proposed skipnames
and by a U.S. protocol that was designed with narrow views like "no (U.S.)
callsign is longer than 6 characters"...

Not being considered licensed amateurs, they had no way of allocating
a callsign that is guaranteed not to be used by a licensed amateur.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

399. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-19 22:13:34 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0202191413.70df5ce9@posting.google.com>
Source record: 6923

"Hank Oredson" <horedson@att.net> wrote in message
news:<Ubvc8.12241$BR3.693107@bgtnsc04-news.ops.worldnet.att.net>...

> How does any of what you post relate to ham radio?

While MURSlink will work over Amateur frequencies, I've learned to avoid them like the plague... too many complaining blowhards. MURS is a much better radio service for building an Internet-backboned packet radio network... and MURS packet relates to "rec.radio.amateur.digital.misc"... or do you have any better suggestions for a more appropriate Usenet newsgroup? I didn't think so.

After all your years of complaining about the folks who wanted to go to Internet-backboned systems on Amateur VHF/UHF freqs, I would think you would WELCOME the fact that we have moved to a new service(MURS), where business digital communications are clearly allowed.

http://groups.yahoo.com/group/murslink/

400. FA: PK232 in excellent shape.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-19 23:17:38 UTC
From: "R.U. Amused?" <n6ttd@spamsuxarrl.net>
Message-ID: <02Bc8.7527$S01.461786@sccrnsc02>
Source record: 6924
Cross-posted to: rec.radio.amateur.digital.misc,rec.ham-radio.swap,rec.radio.swap

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1334230804

401. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-20 00:21:10 UTC
From: Clint Black <cb@enron.com>
Message-ID: <WZBc8.61$XT1.21017@news1.east.cox.net>
Source record: 6925

"Hank Oredson" <horedson@att.net> wrote
>
> What's "more efficient" about doing the exact same thing
> we've been doing since 1983?

Hams can't have a practical purpose by law. All other
allocations can.

402. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-20 02:01:24 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <UrDc8.13280$BR3.771962@bgtnsc04-news.ops.worldnet.att.net>
Source record: 6926

```
"D. Stussy" <kd6lvw@bde-arc.ampr.org> wrote in message
news:Pine.LNX.4.44.0202192028270.16069-100000@exp.bde-arc.ampr.org...
> On Tue, 19 Feb 2002, Hank Oredson wrote:
> >"stewart teaze" <horseshoe7@yahoo.com> wrote in message
> >news:GUlc8.12379$qj4.1726384239@newssvr15.news.prodigy.com...
> >> "Hank Oredson" <horedson@att.net> wrote in message
> >> news:<otkc8.11609$BR3.630691@bgtnsc04-news.ops.worldnet.att.net>...
> >> >
> >> > "stewart" <horseshoe7@yahoo.com> wrote in message
> >> > news:5f4fe4c2.0202181625.7f6698b1@posting.google.com...
> >> > > I've erected a MURS packet radio station in the San Diego area on
> >> > > 151.940Mhz. Anyone interested in running AX.25 experiments as a
> >> > > precursor to implentation of initial MURSlink testing - please refer
> >> > > to:
> >> > >
> >> > > http://groups.yahoo.com/group/murslink/
> >> >
> >> > Hey that's neat!
> >> > Can I use my ham radio callsign on that frequency?
> >>
> >> The world is changing faster every day, old boy - are you EVER going to
try
> >> to learn some new tricks?
> >
> >What is "new" about packet on 2M?
> >
> >> > Perhaps 2M has been extended, and I didn't notice?
> >>
> >> Don't mind Hank - he is LOS-impaired by his hilly/backwoods location... as
> >> such, he has trouble thinking outside of the box. He criticizes any
> >> attempts to use Internet backbones, replace AX.25 with something more
> >> efficient, or to conduct business on MURS.
> >
> >What's "more efficient" about doing the exact same thing
> >we've been doing since 1983?
> >
> >> Only a faint memory for most of us - he pines for the old days of
> >> HF-backboned PBBS networks... when Morse Code defense, and this kind of
> >> silly, non-productive jiving were "in".
> >
> >How does any of what you post relate to ham radio?
> >
> >> Hank is a true "living museum piece".
> >
```

> >I'm mature enough to know the difference between radio,
> >ham radio, CB, et al. Are you?
>
> I think this pretty much sums this up:
>
> Not this ... . - again.

Yup ... same old non-ham and anti-ham spammers
posting the same old junk to the newsgroup.

--

... Hank

http://horedson.home.att.net

403. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-20 02:02:27 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <TsDc8.13284$BR3.774040@bgtnsc04-news.ops.worldnet.att.net>
Source record: 6927

"stewart" <horseshoe7@yahoo.com> wrote in message
news:5f4fe4c2.0202191413.70df5ce9@posting.google.com...
> "Hank Oredson" <horedson@att.net> wrote in message
news:<Ubvc8.12241$BR3.693107@bgtnsc04-news.ops.worldnet.att.net>...
>
>
> > How does any of what you post relate to ham radio?
>
> While MURSlink will work over Amateur frequencies, I've learned to
> avoid them like the plague... too many complaining blowhards. MURS is
> a much better radio service for building an Internet-backboned packet
> radio network... and MURS packet relates to
> "rec.radio.amateur.digital.misc"... or do you have any better
> suggestions for a more appropriate Usenet newsgroup? I didn't think
> so.
>
> After all your years of complaining about the folks who wanted to go
> to Internet-backboned systems on Amateur VHF/UHF freqs, I would think
> you would WELCOME the fact that we have moved to a new service(MURS),
> where business digital communications are clearly allowed.

So why do you post this non-ham and anti-ham spam to
a ham radio newsgroup? The CB groups drive you out?

--

... Hank

http://horedson.home.att.net

404. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-20 02:03:18 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <GtDc8.13290$BR3.772890@bgtnsc04-news.ops.worldnet.att.net>
Source record: 6928

"Clint Black" <cb@enron.com> wrote in message
news:WZBc8.61$XT1.21017@news1.east.cox.net...
> "Hank Oredson" <horedson@att.net> wrote
> >
> > What's "more efficient" about doing the exact same thing
> > we've been doing since 1983?
>
> Hams can't have a practical purpose by law. All other
> allocations can.

So what?

Just more anti-ham spam in a ham radio newsgroup.

--

... Hank

http://horedson.home.att.net

405. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-20 02:05:27 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <HvDc8.13299$BR3.774505@bgtnsc04-news.ops.worldnet.att.net>
Source record: 6929

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
news:slrna75igg.tmj.nomail@linux.pe1chl.ampr.org...
> D. Stussy <kd6lvw@bde-arc.ampr.org> wrote:
> >>Most Dutch stations use callsigns starting with NL, which is a customary
> >>abbreviation for Netherlands. They are not aware that in the amateur
> >>radio world the NL prefix is allocated to Alaska. And really, they do
> >>not need to care.
>
> >>(this has caused some confusion when people set up (illegal) gateways
> >>to the amateur packet system)
>
> >And rightly so, since within the U.S., such a practice is illegal.
>
> Ironically, they were forced into using callsigns that resemble amateur
> radio callsigns by U.S. software that would reject their proposed skipnames
> and by a U.S. protocol that was designed with narrow views like "no (U.S.)
> callsign is longer than 6 characters"...
>
> Not being considered licensed amateurs, they had no way of allocating
> a callsign that is guaranteed not to be used by a licensed amateur.

Why should we care?

Were they all incapable of writing software, or
changing any of the existing open source BBS programs?

That's not exactly rocket science ..

--

... Hank

http://horedson.home.att.net

406. Re: pactor w/ old radios?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-20 02:07:13 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <lxDc8.13308$BR3.774321@bgtnsc04-news.ops.worldnet.att.net>
Source record: 6930

Even some of the "newer" radios, like the Kenwood TS-930,
needed a mod to speed up AGC recovery. For the Kenwood
it was the removal of a capacitor ... simple to do. Might be able
to do something similar in the Drake.

--

... Hank

http://horedson.home.att.net

"David E Allen" <davea@mse13.cos.agilent.com> wrote in message
news:1014146136.966965@goodnews.cos.agilent.com...
> Hi, all.
> I just got a KAM+ to use on pactor, but it doesn't connect to distant
> stations. I can connect fine with a friend across town. I'm wondering if
> my AGC is too slow or something. I'm using a heath sb-401 transmitter and
> Drake 2-B receiver. The 2-B is set to fast agc (or course) but still I
> wonder if it's quick enough to "hear" the ack. I am getting an ack or chirp
> back from the other station, so I know I'm "hitting" it. Just not hearing
> it right...
>
> Does anyone have any experience with the older radios. I'd hate to think
> that I have to buy a new digital radio just for pactor. - if that really is
> the problem...
>
> Thanks and 73
> dave allen, wb0taq, colorado springs

407. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-20 02:07:18 UTC
From: Clint Black <cb@enron.com>
Message-ID: <qxDc8.100$XT1.29001@news1.east.cox.net>
Source record: 6931

```
"Hank Oredson" <horedson@att.net> wrote
>
> "Clint Black" <cb@enron.com> wrote
> >
> > "Hank Oredson" <horedson@att.net> wrote
> > >
> > > What's "more efficient" about doing the exact same thing
> > > we've been doing since 1983?
> >
> > Hams can't have a practical purpose by law. All other
> > allocations can.
>
> So what?

The crux of the argument. What good is radio, if you can't
make money off of it, or produce an end-product?

Only a Marxist could fully appreciate Part 97 law.
```

408. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-20 02:17:07 UTC
From: Clint Black <cb@enron.com>
Message-ID: <DGDc8.102$XT1.31473@news1.east.cox.net>
Source record: 6932

"Hank Oredson" <horedson@att.net> wrote
>
> Were they all incapable of writing software, or
> changing any of the existing open source BBS programs?

BBS? Give me a fucking break.

You can write a BBS using MySQL, Roxen, and Pike in about thirty
minutes...

To what end?

Radio isn't meant to replace the Internet or telephone BBS. Radio
is a method to transport information to a mobile user (walking,
riding, or in space). Radio could even be an extension of your
wallet.

Which is why the ARRL and it's membership is a dinosaur.

This group is for amateurs, not Amateur Radio alone. Live with it.

409. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-20 02:55:00 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <8eEc8.13415$BR3.782110@bgtnsc04-news.ops.worldnet.att.net>
Source record: 6933

```
"Clint Black" <cb@enron.com> wrote in message
news:qxDc8.100$XT1.29001@news1.east.cox.net...
> "Hank Oredson" <horedson@att.net> wrote
> >
> > "Clint Black" <cb@enron.com> wrote
> > >
> > > "Hank Oredson" <horedson@att.net> wrote
> > > >
> > > > What's "more efficient" about doing the exact same thing
> > > > we've been doing since 1983?
> > >
> > > Hams can't have a practical purpose by law. All other
> > > allocations can.
> >
> > So what?
>
> The crux of the argument. What good is radio, if you can't
> make money off of it, or produce an end-product?
>
> Only a Marxist could fully appreciate Part 97 law.

The crux of the "argument" is ... spam in this newsgroup.

--

... Hank

http://horedson.home.att.net
```

410. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-20 02:58:00 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <YgEc8.13424$BR3.782218@bgtnsc04-news.ops.worldnet.att.net>
Source record: 6934

"Clint Black" <cb@enron.com> wrote in message
news:DGDc8.102$XT1.31473@news1.east.cox.net...

Typical spammer ... afraid to use a real address or real name.

> "Hank Oredson" <horedson@att.net> wrote
> >
> > Were they all incapable of writing software, or
> > changing any of the existing open source BBS programs?
>
> BBS? Give me a fucking break.
>
> You can write a BBS using MySQL, Roxen, and Pike in about thirty
> minutes...

Consider your bluff called. Post the URL and I'll download and
test it one hour from now. Bet you can't do it given six months.

> To what end?
>
> Radio isn't meant to replace the Internet or telephone BBS. Radio
> is a method to transport information to a mobile user (walking,
> riding, or in space). Radio could even be an extension of your
> wallet.
>
> Which is why the ARRL and it's membership is a dinosaur.
>
> This group is for amateurs, not Amateur Radio alone. Live with it.

You are unable to read?
You know ... the charter ... try reading it.

--

... Hank

http://horedson.home.att.net

411. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-20 03:15:42 UTC
From: Clint Black <cb@enron.com>
Message-ID: <yxEc8.170$XT1.35935@news1.east.cox.net>
Source record: 6935

This newsgroup has maybe 5 people max.
You're the only one complaining.

"Hank Oredson" <horedson@att.net> wrote
>
> The crux of the "argument" is ... spam in this newsgroup.

412. Question about Yaesu FT-1500M

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-20 04:26:22 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020219232622.18242.00000191@mb-ms.aol.com>
Source record: 6936

I am considering buying a Yaesu FT-1500M and had a question. With the ADMS-2F cable to program it with a computer, can this cable also be used to connect the radio to a TNC?

=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-

73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Toms River, NJ USA! Grid FM29ww
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

413. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-20 05:30:57 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <lwGc8.903$lm1.57263@bgtnsc05-news.ops.worldnet.att.net>
Source record: 6937

You have any other complaints?
Or did you not understand how funny your complaint was ... :-)

--

... Hank

http://horedson.home.att.net

"Clint Black" <cb@enron.com> wrote in message
news:yxEc8.170$XT1.35935@news1.east.cox.net...
> This newsgroup has maybe 5 people max.
> You're the only one complaining.
>
> "Hank Oredson" <horedson@att.net> wrote
> >
> > The crux of the "argument" is ... spam in this newsgroup.
>
>
>

414. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-20 05:31:45 UTC
From: Dick Carroll <dickc58@worldnet.att.net>
Message-ID: <3C7478E5.B8088CAC@worldnet.att.net>
Source record: 6938

"D. Stussy" wrote:

> Not this ... . - again.

Hey! That's Morris code! The Original Digital!

415. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-20 08:41:07 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna76o93.1nb.nomail@linux.pe1chl.ampr.org>
Source record: 6939

Hank Oredson <horedson@att.net> wrote:
>> Not being considered licensed amateurs, they had no way of allocating
>> a callsign that is guaranteed not to be used by a licensed amateur.

>Why should we care?

>Were they all incapable of writing software, or
>changing any of the existing open source BBS programs?

>That's not exactly rocket science ..

They probably were just as interested in writing something as the average
licensed radio amateur is.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

416. Re: pactor w/ old radios?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-20 10:25:09 UTC
From: Markus Lenggenhager <hb9brj@yahoo.com>
Message-ID: <3c73796b$0$228$4d4ebb8e@read-nat.news.nl.uu.net>
Source record: 6940

"David E Allen" <davea@mse13.cos.agilent.com> wrote in message
news:1014146136.966965@goodnews.cos.agilent.com...
> Hi, all.
> I just got a KAM+ to use on pactor, but it doesn't connect to distant
> stations. I can connect fine with a friend across town. I'm wondering if
> my AGC is too slow or something. I'm using a heath sb-401 transmitter and
> Drake 2-B receiver. The 2-B is set to fast agc (or course) but still I
> wonder if it's quick enough to "hear" the ack. I am getting an ack or
chirp
> back from the other station, so I know I'm "hitting" it. Just not hearing
> it right...

Timing is more critical when linking with a nearby station (due to small
propagation delay). Most people can easily connect to a DX stn but have
difficulties when trying to connect to a friend across town.
My guess is that you have a signal level problem. Does your RX provide
sufficient audio to drive your KAM+ decoder? Maybe your friend's signal is
S9++ while the distant stations are much weaker.
Another idea would be to turn AGC off completely (not possible on all rigs)
and use RF/AF gain controls.

Markus HB9BRJ

417. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-20 12:19:29 UTC
From: Clint Black <cb@enron.com>
Message-ID: <lvMc8.884$XT1.60181@news1.east.cox.net>
Source record: 6941

Funny Funny, or funny sad?

I just checked google archives. Did you know you have
pretty much wasted your life on this newsgroup, and in
all your contributed messages, none of them contained
even a hint of technical information or advice.

It's an endless dribble of messages like those below.

I really feel sorry for you. Such a wasted life. Why don't
you find a hobby you can enjoy?

"Hank Oredson" <horedson@att.net> wrote
>
> You have any other complaints?
> Or did you not understand how funny your complaint was ... :-)
>
> "Clint Black" <cb@enron.com> wrote
> >
> > This newsgroup has maybe 5 people max.
> > You're the only one complaining.
> >
> > "Hank Oredson" <horedson@att.net> wrote
> > >
> > > The crux of the "argument" is ... spam in this newsgroup.

418. PK232MBX upgrade_help

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-20 13:17:42 UTC
From: Ken Ward <ken@M3ANDg1itv.fsnet.co.uk>
Message-ID: <a507lp$e21$1@newsg2.svr.pol.co.uk>
Source record: 6942

Hi Everyone,
I reproduce below an e-mail I have sent to "Timewave" in the US,
unfortunately without reply as yet and I do want to get on with ordering the
"RIGHT" bits. Can someone help in selecting what I need........

Hi,
I have a PK232MBX with 3 colour LED's ..Serial # 48478 with firmware #
91.08.01. (PK-232MBX without MBX daughterboard)

My question are,
1,...Are ALL the upgrades listed below compatible with my unit?.

#A.. A.06216 PSK upgrade
#B... PK-232MBX/DSP
#C.. PK-232LPK
#D.. PK-232MBX/DSP Operator's Manual - CD

2..Are there any others that are required to bring my "232" up to today's
spec'

I will call "Sales" when I receive your reply.

Thank you

Ken Ward (G1ITV)
BOLTON
England
UK.

419. Re: PK232MBX upgrade_help

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-20 14:55:32 UTC
From: rgawtry@timewave.com
Message-ID: <u77e4f15bm235c@corp.supernews.com>
Source record: 6943

Ken,
I just tried to send you the response shown below via private email, but your email address bounced. Perhaps that is what happen to our sales dept. email, as well. The entire text of the bounced email follows

From: rgawtry@timewave.com (Randall R. Gawtry.)
To: ken@M3ANDg1itv.fsnet.co.uk
Subject: Re: PK232MBX upgrade_help
Organization: Timewave Technology
Cc: jdouglas@timewave.com
Date: Wed, 20 Feb 2002 14:44:08 GMT

Ken,
I'm not sure why you havn't received a reply from sales yet, but we sometimes get overwhelmed by the volume of email. In any event, the answers to your questions are listed below, next to each item.

Thank you,

Randy Gawtry, K0CBH
Timewave Technology Inc.

>Hi Everyone,
> I reproduce below an e-mail I have sent to "Timewave" in the US,
>unfortunately without reply as yet and I do want to get on with ordering the
>"RIGHT" bits. Can someone help in selecting what I need........
>
>Hi,
> I have a PK232MBX with 3 colour LED's ..Serial # 48478 with firmware #
>91.08.01. (PK-232MBX without MBX daughterboard)
>
> My question are,
>1,...Are ALL the upgrades listed below compatible with my unit?.
>
> #A.. A.06216 PSK upgrade
Yes, $59.95 when purchased with the A.06226 upgrade

> #B... PK-232MBX/DSP
Yes, part number A.06226, $129.00

> #C.. PK-232LPK
yes, part number A.06135, $20.00 when purchased with
another upgrade

> #D.. PK-232MBX/DSP Operator's Manual - CD
Yes, included with the DSP upgrade kit - $00.00

Shipping to the U.K. is about $10-15.

We accept Visa, Master Card, American Express and
Discover cards.

We usually ship within a week of receiving an order.

You may phone, FAX or email your order to us.

telephone - 651-489-5080
FAX 651-480-5066

>
>2..Are there any others that are required to bring my "232" up to today's
>spec'
>
>I will call "Sales" when I receive your reply.
>
>Thank you
>
>Ken Ward (G1ITV)
>BOLTON
>England
>UK.

In article <a507lp$e21$1@newsg2.svr.pol.co.uk>, "Ken Ward"
<ken@M3ANDg1itv.fsnet.co.uk> wrote:
>Hi Everyone,
> I reproduce below an e-mail I have sent to "Timewave" in the US,
>unfortunately without reply as yet and I do want to get on with ordering the
>"RIGHT" bits. Can someone help in selecting what I need........
>
>Hi,
> I have a PK232MBX with 3 colour LED's ..Serial # 48478 with firmware #
>91.08.01. (PK-232MBX without MBX daughterboard)
>
> My question are,
>1,...Are ALL the upgrades listed below compatible with my unit?.
>
> #A.. A.06216 PSK upgrade
> #B... PK-232MBX/DSP
> #C.. PK-232LPK
> #D.. PK-232MBX/DSP Operator's Manual - CD
>
>2..Are there any others that are required to bring my "232" up to today's
>spec'
>
>I will call "Sales" when I receive your reply.
>
>Thank you
>
>Ken Ward (G1ITV)
>BOLTON

>England
>UK.
>
>
>
>
>

420. Re: PK232MBX upgrade_help

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-20 18:28:40 UTC
From: Roger Basford <Basford@btinternet.com>
Message-ID: <Tqz28EBYr+c8Ewpw@btinternet.com>
Source record: 6944

In message <u77e4f15bm235c@corp.supernews.com>, Randall R. Gawtry.
<rgawtry@timewave.com> writes
>Ken,
>I just tried to send you the response shown below via private email, but your
>email address bounced. Perhaps that is what happen to our sales dept. email,
>as well. The entire text of the bounced email follows
>
Ken,

When I e-mailed you the other day the message bounced too. I think it's
the "M3" part of your domain name that's giving trouble.

Hope you get the PK232 sorted.

Cheers,
--
Roger Basford

421. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-20 23:49:01 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0202201549.7bfbe0@posting.google.com>
Source record: 6945

"Hank Oredson" <horedson@att.net> wrote in message
news:<YgEc8.13424$BR3.782218@bgtnsc04-news.ops.worldnet.att.net>...
> "Clint Black" <cb@enron.com> wrote in message
> news:DGDc8.102$XT1.31473@news1.east.cox.net...
>
> > To what end?
> >
> > Radio isn't meant to replace the Internet or telephone BBS. Radio
> > is a method to transport information to a mobile user (walking,
> > riding, or in space). Radio could even be an extension of your
> > wallet.
> >
> > Which is why the ARRL and it's membership is a dinosaur.
> >
> > This group is for amateurs, not Amateur Radio alone. Live with it.
>
> You are unable to read?
> You know ... the charter ... try reading it.

Who gives a RAT'S ASS about a Usenet charter on a unmoderated group in
an evolving world? Only a ninny would think that it carried anything
more than the most minor significance. You see, Hank, once again
you've shown that you can not adapt to change.

The "spirit" of a newsgroup consists mainly of its name, and what is
posted
to it.

I put it to you again - what better group is there for posting about
MURS digital communications? I hardly think that rec.radio.cb is an
appropriate forum... I'll tell you what Hank - if you go thru the
trouble to create an unmoderated newsgroup called
rec.radio.murs.digital, I'll be more than happy to post about MURSlink
over there...

422. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-20 23:54:13 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0202201554.425ffe85@posting.google.com>
Source record: 6946

"D. Stussy" <kd6lvw@bde-arc.ampr.org> wrote in message

> I think this pretty much sums this up:
>
> Not this ... . - again.

What would you like... for us to disband r.r.a.d.m., just like S.C.D.C.C.?

423. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-21 00:05:51 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0202210003100.18146-100000@exp.bde-arc.ampr.org>
Source record: 6947

On 20 Feb 2002, stewart wrote:
>"D. Stussy" <kd6lvw@bde-arc.ampr.org> wrote in message
>
>> I think this pretty much sums this up:
>>
>> Not this ... . - again.
>
>What would you like... for us to disband r.r.a.d.m., just like S.C.D.C.C.?

The key to this newsgroup is that it is for AMATEUR radio. MURS is not amateur radio.

Additionally, I don't recall you ever coming to an SCDCC meeting during its last 3 years. For whatever reason, you were just as apathetic as the rest of the Southern California amateur community. For some of us, the meeting site was only 10-20 miles from home, but we did have one board member who drove 200 miles for the meetings (from Santa Maria); thus there was no excuse except perhaps for those in Inyo County not to appear.

424. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-21 00:13:06 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0202201613.17fcd1e3@posting.google.com>
Source record: 6948

"Clint Black" <cb@enron.com> wrote in message
news:<WZBc8.61$XT1.21017@news1.east.cox.net>...
> "Hank Oredson" <horedson@att.net> wrote
> >
> > What's "more efficient" about doing the exact same thing
> > we've been doing since 1983?
>
> Hams can't have a practical purpose by law. All other
> allocations can.

Yes, quite true, and probably the most important point of all.

However, in the context that Hank is referring to, MURSlink offers
quite a few optimizations over AX.25, because it eliminates much of
the routing and protocol overhead, and is designed to mainly support
the two most utilized/useful applications(e-mail & Position Location)
in a slow-speed(<9600bps) packet network environment. With an
Internet-backboned cellular-type network, we can eliminate the idea
that routing must be done via radio "hops", and that ACKs have to be
individually forwarded and targetted, instead of locally broadcast...
once these concepts are understood and realized, much of the AX.25 &
APRS protocol "baggage" can be tossed aside. My estimates are that a
single 1200bps MURSlink-managed channel can theoretically support from
3 to 8x the thruput of corresponding traffic via an old-fashioned
combination of AX.25 & APRS over AX.25 channels.

425. Re: PK232MBX upgrade_SORTED

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-21 01:00:37 UTC
From: Ken Ward <ken@M3ANDg1itv.fsnet.co.uk>
Message-ID: <a51gro$sm6$1@news8.svr.pol.co.uk>
Source record: 6949

Roger Basford <Basford@btinternet.com> wrote in message
news:Tqz28EBYr+c8Ewpw@btinternet.com...
> When I e-mailed you the other day the message bounced too. I think it's
> the "M3" part of your domain name that's giving trouble.
>
> Hope you get the PK232 sorted.
>
> Cheers,
Yes, The parts are ordered, Roger

And the "M3" spam trap seems to be working.....sorry I should have said
something.

Email ken@g1itv.fsnet.co.uk

426. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-21 03:46:29 UTC
From: Clint Black <cb@enron.com>
Message-ID: <p4_c8.3997$XT1.111143@news1.east.cox.net>
Source record: 6950

I don't see there being 3 to 8x worth of data to
transmit.

I would lean more towards increased frame rate.
That is, APRS is one position an hour for fixed
targets, and as fast as one position every 10 minutes.

What I would propose is a bit rate of 4800 and a
frame rate of a minimum of 10 seconds for APRS, and
200ms for vocoder and raw digital type data.

"stewart" <horseshoe7@yahoo.com> wrote
>
> My estimates are that a
> single 1200bps MURSlink-managed channel can theoretically support from
> 3 to 8x the thruput of corresponding traffic via an old-fashioned
> combination of AX.25 & APRS over AX.25 channels.

427. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-21 04:24:14 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <OD_c8.2736$lm1.192920@bgtnsc05-news.ops.worldnet.att.net>
Source record: 6801

```
"stewart" <horseshoe7@yahoo.com> wrote in message
news:5f4fe4c2.0202201613.17fcd1e3@posting.google.com...
> "Clint Black" <cb@enron.com> wrote in message
news:<WZBc8.61$XT1.21017@news1.east.cox.net>...
> > "Hank Oredson" <horedson@att.net> wrote
> > >
> > > What's "more efficient" about doing the exact same thing
> > > we've been doing since 1983?
> >
> > Hams can't have a practical purpose by law. All other
> > allocations can.
>
> Yes, quite true, and probably the most important point of all.
>
> However, in the context that Hank is referring to, MURSlink offers
> quite a few optimizations over AX.25, because it eliminates much of
> the routing and protocol overhead, and is designed to mainly support
> the two most utilized/useful applications(e-mail & Position Location)
> in a slow-speed(<9600bps) packet network environment. With an
> Internet-backboned cellular-type network, we can eliminate the idea
> that routing must be done via radio "hops", and that ACKs have to be
> individually forwarded and targetted, instead of locally broadcast...
> once these concepts are understood and realized, much of the AX.25 &
> APRS protocol "baggage" can be tossed aside. My estimates are that a
> single 1200bps MURSlink-managed channel can theoretically support from
> 3 to 8x the thruput of corresponding traffic via an old-fashioned
> combination of AX.25 & APRS over AX.25 channels.

WoW!

Sounds totally wonderful.
Where's the code?

--

... Hank

http://horedson.home.att.net
```

428. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-21 04:26:56 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <kG_c8.2739$lm1.192454@bgtnsc05-news.ops.worldnet.att.net>
Source record: 6802

"stewart" <horseshoe7@yahoo.com> wrote in message
news:5f4fe4c2.0202201549.7bfbe0@posting.google.com...
> "Hank Oredson" <horedson@att.net> wrote in message
news:<YgEc8.13424$BR3.782218@bgtnsc04-news.ops.worldnet.att.net>...
> > "Clint Black" <cb@enron.com> wrote in message
> > news:DGDc8.102$XT1.31473@news1.east.cox.net...
> >
> > > To what end?
> > >
> > > Radio isn't meant to replace the Internet or telephone BBS. Radio
> > > is a method to transport information to a mobile user (walking,
> > > riding, or in space). Radio could even be an extension of your
> > > wallet.
> > >
> > > Which is why the ARRL and it's membership is a dinosaur.
> > >
> > > This group is for amateurs, not Amateur Radio alone. Live with it.
> >
> > You are unable to read?
> > You know ... the charter ... try reading it.
>
> Who gives a RAT'S ASS about a Usenet charter on a unmoderated group in
> an evolving world? Only a ninny would think that it carried anything
> more than the most minor significance. You see, Hank, once again
> you've shown that you can not adapt to change.
>
> The "spirit" of a newsgroup consists mainly of its name, and what is
> posted
> to it.
>
> I put it to you again - what better group is there for posting about
> MURS digital communications? I hardly think that rec.radio.cb is an

That's exactly the right group.

> appropriate forum... I'll tell you what Hank - if you go thru the
> trouble to create an unmoderated newsgroup called
> rec.radio.murs.digital, I'll be more than happy to post about MURSlink
> over there...

You spam, I'll bitch.
Hope it offends you.
Oh wait, you already showed that it does.
My work here is nearly done.

--

... Hank

http://horedson.home.att.net

429. APRS+SA

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-21 05:46:20 UTC
From: Robert Ramsey <rramsey@ezo.net>
Message-ID: <u791ulboeb9db@corp.supernews.com>
Source record: 6803

Hello,

I've been looking for a good download site for the APRS+SA software. The URL on www.tapr.org doesn't seem to work and all the other sites that come up on yahoo just have links to tapr's web site. Could someone help me out?

Thanks,

Rob Ramsey
kc8kpx
Colorado Springs

430. Re: APRS+SA

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-21 05:55:25 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <hZ%c8.16196$BR3.951995@bgtnsc04-news.ops.worldnet.att.net>
Source record: 6804

http://www.tapr.org/~kh2z/aprsplus/Download.htm

The ftp link worked also.

--

... Hank

http://horedson.home.att.net

"Robert Ramsey" <rramsey@ezo.net> wrote in message
news:u791ulboeb9db@corp.supernews.com...
> Hello,
>
> I've been looking for a good download site for the APRS+SA software. The
> URL on www.tapr.org doesn't seem to work and all the other sites that come
> up on yahoo just have links to tapr's web site. Could someone help me out?
>
> Thanks,
>
> Rob Ramsey
> kc8kpx
> Colorado Springs
>
>

431. Re: APRS+SA

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-21 12:55:42 UTC
From: Clint Black <cb@enron.com>
Message-ID: <i76d8.4262$XT1.133462@news1.east.cox.net>
Source record: 6805

If you want a great APRS program that works with Street
Atlas, get UI-View32. I think it costs about $20.

Is TAPR still in business? I haven't heard anything about their
Spread Spectrum radio in a year now. Guess it takes a
while to close down a project :-)

"Robert Ramsey" <rramsey@ezo.net> wrote
>
> I've been looking for a good download site for the APRS+SA software. The
> URL on www.tapr.org doesn't seem to work and all the other sites that come
> up on yahoo just have links to tapr's web site. Could someone help me
out?

432. Re: APRS+SA

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-21 14:59:56 UTC
From: Bruce Lane <spammers@buzz.off>
Message-ID: <MPG.16deab4b5b070629897dd@news.drizzle.com>
Source record: 6806

In article <i76d8.4262$XT1.133462@news1.east.cox.net>, cb@enron.com says...

> Is TAPR still in business? I haven't heard anything about their
> Spread Spectrum radio in a year now. Guess it takes a
> while to close down a project :-)

Well, there's gotta be someone there. I ordered a bunch of equipment and a membership from them around December.

I received everything, equipment-wise, but I've yet to see any sort of membership card or mailings (assuming they generate such -- they may not), but their degree of communication leaves a bit to be desired. It took three phone calls and an E-mail before I finally got the UPS tracking number from them.

I just now tried this link:

http://www.tapr.org/~kh2z/aprsplus/

And it worked fine. Comes right up with all the info.

Good luck.

--
Bruce Lane, Owner and Head Hardware Heavy,
Blue Feather Technologies -- http://www.bluefeathertech.com
Amateur Radio: KC7GR (Formerly WD6EOS) since 12-77.
kyrrin (a/t) bluefeathertech dot-com (Reassemble to use)
"I'll get a life when someone demonstrates to me it would be superior to what I have now..." (Taki Kogoma)

433. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-21 15:41:04 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0202210741.7ed805ad@posting.google.com>
Source record: 6807

"Hank Oredson" <horedson@att.net> wrote in message news:<kG_c8.2739

> > I'll tell you what Hank - if you go thru the
> > trouble to create an unmoderated newsgroup called
> > rec.radio.murs.digital, I'll be more than happy to post about MURSlink
> > over there...
>
> You spam, I'll bitch.
> Hope it offends you.

Spam offends - so, even though it ISN'T spam, the fact that you call
it spam says that it OFFENDS YOU!

> Oh wait, you already showed that it does.

No... I LOVE to harrass silly old goats like you - didn't you KNOW
that?

> My work here is nearly done.

Why, are you suddenly not feeling well? Better go see a Doctor, and
lay off the bitter posts on the newsgroups.

434. XPWin Where? Help?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-21 16:03:40 UTC
From: Brian Short <k7on@earthlink.net>
Message-ID: <MPG.16df27d42b7745899896c6@news.earthlink.net>
Source record: 6808

I am a registered user of XPWin, my favorite
digital mode program.

Unfortunately, I am unable to find a place to
download the program following a hard disk
re-build.

Where is the download site for KF7XP's great
XPWare program for windows?

Thanks, Brian
--
People who think they know it all are annoying
to those of us who do.
--
See my web page: http://www.qsl.net/k7on/
--

435. Re: XPWin Where? Help?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-21 16:20:15 UTC
From: Peter O <peter.o@kotnet.org>
Message-ID: <3C751E3F.3802C767@kotnet.org>
Source record: 6809

Brian Short wrote:
>
> I am a registered user of XPWin, my favorite
> digital mode program.
>
> Unfortunately, I am unable to find a place to
> download the program following a hard disk
> re-build.
>
> Where is the download site for KF7XP's great
> XPWare program for windows?

you can try http://www.goodnet.com/~gjohnson
However I was unable to reach the server. It could be down at this time,
but it is worth th try.

--
Peter O
http://www.lennik.org

Vulcans never bluff.
-- Spock, "The Doomsday Machine", stardate 4202.1

436. Re: XPWin Where? Help?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-21 16:28:53 UTC
From: Brian Short <k7on@earthlink.net>
Message-ID: <MPG.16df2db695d306de9896c7@news.earthlink.net>
Source record: 6810

I have been trying that address for weeks.

I also tried Google search.

Still, no joy.

> you can try http://www.goodnet.com/~gjohnson
> However I was unable to reach the server. It could be down at this time,
> but it is worth th try.

437. Re: XPWin Where? Help?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-21 19:34:32 UTC
From: Roger Basford <Basford@btinternet.com>
Message-ID: <9BWNmtHIvUd8EwHA@btinternet.com>
Source record: 6811

In message <MPG.16df27d42b7745899896c6@news.earthlink.net>, Brian Short
<k7on@earthlink.net> writes
>I am a registered user of XPWin, my favorite
>digital mode program.
>
>Unfortunately, I am unable to find a place to
>download the program following a hard disk
>re-build.
>
>Where is the download site for KF7XP's great
>XPWare program for windows?
>
>Thanks, Brian
>--
>People who think they know it all are annoying
>to those of us who do.
>--
>See my web page: http://www.qsl.net/k7on/
>--
Hi Brian,

I recommended this software to someone recently and he told me that all
the links he followed to try and find it led nowhere, so I sent him a
back-up copy I had. If you don't locate the site let me know and I'll
mail it to you.

Regards
--
Roger Basford
(G3VKM)

438. Re: XPWin Where? Help?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-21 21:49:48 UTC
From: "J." <me@AvoidSpam.com>
Message-ID: <Xns91BCAB40DBBE9jacques1magmaca@64.26.141.46>
Source record: 6812

Roger Basford <Basford@btinternet.com> wrote in
news:9BWNmtHIvUd8EwHA@btinternet.com:

> In message <MPG.16df27d42b7745899896c6@news.earthlink.net>, Brian Short
> <k7on@earthlink.net> writes
>>I am a registered user of XPWin, my favorite
>>digital mode program.
>>
>>Unfortunately, I am unable to find a place to
>>download the program following a hard disk re-build.
>>
>>Where is the download site for KF7XP's great
>>XPWare program for windows?
>>
>>Thanks, Brian
>>--
>>People who think they know it all are annoying
>>to those of us who do.
>>--
>>See my web page: http://www.qsl.net/k7on/ --
> Hi Brian,
>
> I recommended this software to someone recently and he told me that all
> the links he followed to try and find it led nowhere, so I sent him a
> back-up copy I had. If you don't locate the site let me know and I'll
> mail it to you.
>
> Regards

I had similar problem and someone here in this newsgroup did give it to me.
Thus here is the new site but sadly he has not updated the software in
awhile but what is there is his latest. http://www.glaswerks.com/xpware/

439. ADV: DSP Training in May, San Francisco Area SALE

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-21 22:59:57 UTC
From: info@besserassociates.com
Message-ID: <f47acb4a.0202211459.328e520d@posting.google.com>
Source record: 6813
Cross-posted to: sci.image.processing,sci.math.num-analysis,rec.radio.amateur.digital.misc,rec.audio.pro,rec.audio.tech

Besser Associates is offering their acclaimed
"DSP Made Simple for Engineers" class in
Mountain View, CA on 6-8 May 2002.

This 3-day class is particularly well-suited to those involved
in RF and Audio signal processing, and computer programmers,
who need to learn the fundamentals of DSP. Details of this
course, including target audience, learning objectives, course
outline, materials descriptions, and past student comments
are appended to this posting as items "A" to "I".

SALE ENDS SOON: For people registering and sending payment by March 1st, the
cost of the course is reduced by more than %50 to $500.

To register, please contact Besser Associates at 650-949-3300.
For additional course offerings, please call Besser Associates
or visit http://www.bessercourse.com/ to view our public course
catalog and current schedule.

------detailed course information follows------

A. BESSER COURSE TITLE:
"DSP Made Simple"; a 3-day tutorial course on digital signal
processing (DSP).

B. TARGET AUDIENCE
* The primary audience is practicing RF (and Audio) hardware
Engineers and Technicians who need to understand digital
signal processing (DSP) because of its ever-increasing
role in the processing of real-world signals.

* While DSP Made Simple is not a "programming course", it is
particularly well suited for computer programmers because
of their increasing need to understand DSP algorithms.

* In general, this course is beneficial to anyone involved
in the acquisition, generation, transmission, manipulation,
or analysis of signals.

C. WHAT THE STUDENT GAINS FROM THE COURSE:
* The ability to apply DSP techniques to real-world
signal processing problems in their work.

* A solid grasp of DSP basics and the ability to move
gradually to more sophisticated DSP concepts and
applications.

* The ability to speak the language of DSP.

* The ability to understand written descriptions (articles,
application notes, textbooks) of DSP methods used
in practice.

To register, please contact Besser Associates at 650-949-3300.
For additional course offerings, please call Besser Associates
or visit http://www.bessercourse.com/

D. COURSE OUTLINE

_____
DAY 1
DISCRETE SEQUENCES AND SYSTEMS
* Discrete Sequences, Their Notation, and Representation
* Signal Amplitude, Magnitude, Power Definitions
* Signal Processing Operational Symbols

PERIODIC SAMPLING
* Periodic Sampling and Aliasing
* Sampling Low-Pass Signals
* Sampling Bandpass Signals
* Spectral Inversion in Bandpass Sampling

THE DISCRETE FOURIER TRANSFORM
* Understanding the DFT Equation
* DFT Properties
* Shifting Theorem
* Inverse DFT
* DFT Leakage
* Use of Windows
* DFT Results Interpretation

_____
DAY 2
THE FAST FOURIER TRANSFORM
* Relationship of the FFT to the DFT
* Hints On Using FFTs With Real-World Signals
* FFT Input/Output Data Index Bit Reversal
* FFT Software Availability

FINITE IMPULSE RESPONSE DIGITAL FILTERS
* An Introduction to Finite Impulse Response Filters
* Convolution In FIR Filters
* FIR Filter Analysis and Design Examples
* Half-Band FIR Filters
* Phase Response of FIR Filters (Group Delay)

INFINITE IMPULSE RESPONSE DIGITAL FILTERS
* An Introduction to Infinite Impulse Response Filters
* The Laplace Transform
* The z-Transform
* IIR Filter Design and Analysis Methods
* Pitfalls in Building IIR Digital Filters

* Cascade and Parallel Combinations of Digital Filters
* Comparison of IIR and FIR Filters

DAY 3
ADVANCED SAMPLING
* Quadrature Signals and Quadrature Sampling
* Quadrature Sampling With Digital Mixing
* Digital Resampling
* Decimation
* Interpolation
* Decimation and Interpolation in Combination

QUANTIZATION and A/D Converters
* Finite Word Length Effects
* A/D Converter Operation
* Effective Bits
* Improving A/D Performance
* A/D Converter References and Internet Sites

ADDITIONAL TOPICS (If We Have Time)
* Reconstructing a Continuous Signal
* D/A Converters
* Floating Point Number Formats
* Block Floating Point Number Format
* Matched Filters

E. WHAT THE COURSE DOES NOT COVER:
The DSP Made Simple Course does not cover the hardware architecture of commercial DSP integrated circuits. Likewise, while the course introduces the topic of commercially available DSP design software packages, no computer programming is performed as part of the course.

To register, please contact Besser Associates at 650-949-3300. For additional course offerings, please call Besser Associates or visit http://www.bessercourse.com/

F. COURSE HANDOUT MATERIAL
* The training material comprises 475 pages of class handouts. With the typical lecturer, the student must decide between taking notes, or paying attention to what the lecturer is saying. The training handout solves this "note-taking" dilemma. The DSP Made Simple training material provides a "bulletized" description of each DSP topic in addition to an abundance of diagrams. A textual description summarizing the key DSP concepts are included at the bottom of each handout page.

* The book "Understanding Digital Signal Processing", written by the instructor and published by Prentice Hall.
(This text is Amazon.com's top-selling DSP book.)

* Pertinent DSP documents, such as tutorial articles on DSP, lists of DSP-related Internet sites, vendor application notes, etc.

G. COURSE LECTURER:
RICHARD LYONS is a Consulting Systems Engineer and lecturer with Besser Associates in Mt. View, CA. He has been the Lead Hardware Engineer for numerous multi-million dollar signal processing systems for both the National Security Agency (NSA) and TRW Inc. An experienced lecturer, and instructor at the University of California Santa Cruz Extension, Richard has delivered signal processing seminars and training courses throughout the US and Europe. He has written numerous articles on DSP topics, and authored the best selling textbook "Understanding Digital Signal Processing". Richard is a member of the IEEE, Eta Kappa Nu the electrical engineering honor society. He can be contacted at: ricklyon@onemain.com

To register, please contact Besser Associates at 650-949-3300. For additional course offerings, please call Besser Associates or visit http://www.bessercourse.com/

H. WHAT'S GOOD ABOUT THE COURSE
* Instead of overwhelming the student with complex mathematics, the lecturer uses intuitive explanations and well-chosen examples to develop a fundamental understanding of DSP theory. (A recipe for technical material that's too rich in equations is hard for the beginner to digest.)

* The practical aspects of signal processing techniques are stressed as opposed to mathematically rigorous discussions of discrete system theory. THIS COURSE TEACHES THE STUDENTS HOW TO USE DSP IN THEIR WORK.

* Comprehensive in scope, and gentle in approach, the course gives the student a thorough grasp of the basics and the ability to move on to more sophisticated DSP concepts and applications.

* In addition to covering the key practical aspects of DSP, a collection of tricks-of-the-trade used by DSP professionals, to make their processing more efficient, are introduced throughout the course.

* In terms of DSP training, this course is the beginner's best opportunity to efficiently and thoroughly learn the fundamentals of DSP.

I. QUOTES FROM RECENT STUDENTS:

"Excellent course for engineers wanting to get (an) insight into DSP."
- George Hughes, Lockheed Martin

"This course takes the mystery out of DSP. Rick has a knack for presenting information in a way that is very logical and easy to understand."
- Dale Laing, Lockheed Martin

"Lyons presents a very solid engineering perspective of the subject with a minimal, yet sufficient, amount of math."
- Gene Kozin, Itron Inc.

"Lyons' is an excellent communicator of highly technical material. He uses plenty of real examples to translate theory to something of utility."
- David Day, Day Test and Measurement Inc.

To register, please contact Besser Associates at 650-949-3300. For additional course offerings, please call Besser Associates or visit http://www.bessercourse.com/ to view our public course catalog and current schedule.

440. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-22 00:12:09 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0202211612.14658c1b@posting.google.com>
Source record: 6814

"D. Stussy" <kd6lvw@bde-arc.ampr.org> wrote in message
news:<Pine.LNX.4.44.0202210003100.18146-100000@exp.bde-arc.ampr.org>...

> The key to this newsgroup is that it is for AMATEUR radio. MURS is not amateur
> radio.

You know, it seemed to me that there was no reason why MURS digital
experimenters/impementers and Amateur experimenters/implementers
couldn't get along together on this group.

However, I've got a lot more important things to do than banter over
this issue. So, I've been working on creating a Usenet Newsgroup for
MURS. However, these things just don't happen overnight, so until it
gets off the ground, this is still the most appropriate group to
discuss packet radio digital experimentation on MURS. Additionally,
it also seems to be the appropriate venue to announce this "branching
off" of the "non-amateurs" (professionals?) from the "amateurs".

441. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-22 01:37:51 UTC
From: tjs@garnet.tc.umn.edu
Message-ID: <a547df$ls7$1@garnet.tc.umn.edu>
Source record: 6815

In article <kG_c8.2739$Im1.192454@bgtnsc05-news.ops.worldnet.att.net>,
Hank Oredson <horedson@att.net> wrote:
> [...]
>You spam, I'll bitch.
> [...]

Sorry, but I don't think the rest of us can tell the difference
between your spamming and his bitching... or was it the other way
around, I can't really tell.

-tjs

442. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-22 02:24:01 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <5Zhd8.18594$BR3.1061370@bgtnsc04-news.ops.worldnet.att.net>
Source record: 6816

"stewart" <horseshoe7@yahoo.com> wrote in message
news:5f4fe4c2.0202211612.14658c1b@posting.google.com...
> "D. Stussy" <kd6lvw@bde-arc.ampr.org> wrote in message
news:<Pine.LNX.4.44.0202210003100.18146-100000@exp.bde-arc.ampr.org>...
>
> > The key to this newsgroup is that it is for AMATEUR radio. MURS is not
amateur
> > radio.
>
> You know, it seemed to me that there was no reason why MURS digital
> experimenters/impementers and Amateur experimenters/implementers
> couldn't get along together on this group.
>
> However, I've got a lot more important things to do than banter over
> this issue. So, I've been working on creating a Usenet Newsgroup for
> MURS. However, these things just don't happen overnight, so until it
> gets off the ground, this is still the most appropriate group to
> discuss packet radio digital experimentation on MURS. Additionally,
> it also seems to be the appropriate venue to announce this "branching
> off" of the "non-amateurs" (professionals?) from the "amateurs".

MURS is much more like CB than like Amateur Radio.

Please go post to that group, you might get better reception
(pun intended).

--

... Hank

http://horedson.home.att.net

443. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-22 02:24:47 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <PZhd8.18595$BR3.1063310@bgtnsc04-news.ops.worldnet.att.net>
Source record: 6817

"Timothy J Salo" <tjs@garnet.tc.umn.edu> wrote in message
news:a547df$ls7$1@garnet.tc.umn.edu...
> In article <kG_c8.2739$Im1.192454@bgtnsc05-news.ops.worldnet.att.net>,
> Hank Oredson <horedson@att.net> wrote:
> > [...]
> >You spam, I'll bitch.
> > [...]
>
> Sorry, but I don't think the rest of us can tell the difference
> between your spamming and his bitching... or was it the other way
> around, I can't really tell.

Why am I not surprised?

--

... Hank

http://horedson.home.att.net

444. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-22 03:14:28 UTC
From: Robert Ramsey <rramsey@ezo.net>
Message-ID: <u7bddj8e69qf30@corp.supernews.com>
Source record: 6818

You guys are a scream. LOL

Ham Radio and CB Radio are both hobbies. If the MURS guy wants to share something with the news group then why not let him? Just relax. Maybe he has something to share that someone else might want.

In and out,

Rob
kc8kpx

445. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-22 04:56:43 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <fckd8.4636$lm1.350765@bgtnsc05-news.ops.worldnet.att.net>
Source record: 6819

"Robert Ramsey" <rramsey@ezo.net> wrote in message
news:u7bddj8e69qf30@corp.supernews.com...
> You guys are a scream. LOL
>
> Ham Radio and CB Radio are both hobbies. If the MURS guy wants to share
> something with the news group then why not let him? Just relax. Maybe he
> has something to share that someone else might want.
>
> In and out,
>
> Rob
> kc8kpx

He has a very long history of posting off topic trolls
and spam to this group in particular. So it's kinda fun
to jump on him and watch him squirm ... he never
misses a beat, always rises to the bait and takes it!

--

... Hank

http://horedson.home.att.net

446. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-22 05:41:40 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0202220541330.20015-100000@exp.bde-arc.ampr.org>
Source record: 6820

On Thu, 21 Feb 2002, Robert Ramsey wrote:
>You guys are a scream. LOL
>
>Ham Radio and CB Radio are both hobbies. If the MURS guy wants to share
>something with the news group then why not let him? Just relax. Maybe he
>has something to share that someone else might want.
>
>In and out,
>
>Rob
>kc8kpx

Apparently, you are unaware of his history with this group.

447. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-22 06:49:28 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0202212249.460db422@posting.google.com>
Source record: 6821

"Robert Ramsey" <rramsey@ezo.net> wrote in message
news:<u7bddj8e69qf30@corp.supernews.com>...
> You guys are a scream. LOL
>
> Ham Radio and CB Radio are both hobbies.

While I mostly agree with your statement, I'd like to add that MURS
was derived from 5 old business band frequencies, and tends to have a
more "business-like" slant to it than 11m CB.

> If the MURS guy wants to share
> something with the news group then why not let him?

I should mention that I'm not just a MURS guy, my ham callsign is
N0MHS.

> Just relax. Maybe he has something to share that someone else might want.

Absolutely. However, I've found that those that have an old grudge
against Internet-backboning are not going to have their attitudes
easily changed. As ludicrous as it sounds, they will not give up on
the idea that everyone must go back to HF-backboning... it is kind of
like the Morse Code debate - old habits and attitudes die hard in the
Amateur Service.

448. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-22 09:42:09 UTC
From: Martin <mab@delete-this.capita.nildram.co.uk>
Message-ID: <u7c42f7pdifn68@corp.supernews.com>
Source record: 6822

I have to ay that it has me somewhat puzzled too - I am beginning
to come to the conclusion that it is a government conspiracy -
they want to know what we are doing every minute of the day
and very cleverly convince us to buy the kit and operate it
for them out of our own pockets :-)

Martin (M3ABL)

"Steve Lampereur" <kb9mwr@yahoo.com> wrote in message
news:2bb8e619.0110310854.236115b5@posting.google.com...
> ----- Forwarded message -----
> Date: Mon, 29 Oct 2001 02:53:12 EST
> From: ka1eui@w1gmf.#ema.ma.usa.noam
> To: aprs@usa
> Subject: Explain APRS's Attraction?
>
> Hello. Don't get me wrong, I want to like APRS, I really do. Let me tell
> you what I've done so far. I've set up a separate rig, and TNC, I've got
> my antenna up high enough where I'm seeing a lot of APRS stations. They
> come up on the screen, both mobiles and fixed stations. And that's it. I
> know, what did I expect? Don't know really. There just seems to be
> absolutely no communications. Even the TNC's aren't really talking all
> that much. It's just unconnected packets shouting out their positions.
> Maybe I'm missing something. I've got to be, because I understand how
> popular APRS is. Is there some messaging or keyboard to keyboard
> communication going on in the background?
> Please understand, I want to join in the fun, I just need some help!
> Thanks
> 73
> Jim KA1EUI
> KA1EUI@W1GMF.#EMA.MA.NOAM
>
> 73 - Jim, KA1EUI @ W1GMF
>
> Message timed: 08:29 on 2001-Oct-28
> Message sent using WinPack V6.70
>
> ----- End of forwarded message -----

449. Re: PC interference to HF RX

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-22 09:59:10 UTC
From: Martin <mab@delete-this.capita.nildram.co.uk>
Message-ID: <u7c524rf0agbad@corp.supernews.com>
Source record: 6823

Try wrapping several turns on a torroid on both the power cable to the RX
and the audio cable between the RX and the PC - do it close to the point
where the cable meets the RX. This worked fine for me using a Yaesu
FRG-100 with a standard (relatively) cheap PC. Also, make sure that your
antenna is as far away from the PC as possible - my antennas are in the roof
space and I get bad QRM if there is any PC switched on in the upper floor
of the house - much less if the PC is on the ground floor.

If you have strong interference on specific frequencies which are important
to you (I had a strong beat right on top of 14.230 - sstv), try changing
your screen resolution or scan rate - that will usually move the frequency
of the radiated signals from the monitor!

Martin (M3ABL)

"Max" <miner_49er@hotmail.com> wrote in message
news:3f432089.0107220206.12b49c8@posting.google.com...
> My PC is causing too much interefence to my HF RX to allow reception
> of any digital data methods. I think alot of the interference is
> coming from the monitor. Can anyone suggest a quick cheap and easy
> solution ?

450. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-22 10:23:10 UTC
From: Roger Barker <roger@peaksys.co.uk>
Message-ID: <0M6+9mDOwhd8Ew3I@peaksys.co.uk>
Source record: 6824

Wow! Cynical already, and the paint is hardly dry on your new callsign!
;-)

In article <u7c42f7pdifn68@corp.supernews.com>, Martin <mab@delete-
this.capita.nildram.co.uk> writes
>I have to ay that it has me somewhat puzzled too - I am beginning
>to come to the conclusion that it is a government conspiracy -
>they want to know what we are doing every minute of the day
>and very cleverly convince us to buy the kit and operate it
>for them out of our own pockets :-)
>
>Martin (M3ABL)
>
>"Steve Lampereur" <kb9mwr@yahoo.com> wrote in message
>news:2bb8e619.0110310854.236115b5@posting.google.com...
>> ----- Forwarded message -----
>> Date: Mon, 29 Oct 2001 02:53:12 EST
>> From: ka1eui@w1gmf.#ema.ma.usa.noam
>> To: aprs@usa
>> Subject: Explain APRS's Attraction?
>>
>> Hello. Don't get me wrong, I want to like APRS, I really do. Let me tell
>> you what I've done so far. I've set up a separate rig, and TNC, I've got
>> my antenna up high enough where I'm seeing a lot of APRS stations. They
>> come up on the screen, both mobiles and fixed stations. And that's it. I
>> know, what did I expect? Don't know really. There just seems to be
>> absolutely no communications. Even the TNC's aren't really talking all
>> that much. It's just unconnected packets shouting out their positions.
>> Maybe I'm missing something. I've got to be, because I understand how
>> popular APRS is. Is there some messaging or keyboard to keyboard
>> communication going on in the background?
>> Please understand, I want to join in the fun, I just need some help!
>> Thanks
>> 73
>> Jim KA1EUI
>> KA1EUI@W1GMF.#EMA.MA.NOAM
>>
>> 73 - Jim, KA1EUI @ W1GMF
>>
>> Message timed: 08:29 on 2001-Oct-28
>> Message sent using WinPack V6.70
>>
>> ----- End of forwarded message -----
>

>

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

451. PK88 Question

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-22 13:01:02 UTC
From: "J. Duffy Beischel" <duffyb01@fuse.net>
Message-ID: <1103_1014382862@news.fuse.net>
Source record: 6825

A ham just gave me a PK88 but I did not get any documentation. Can anyone please tell me the pin assignments on
the front panel connector so that I can build a cable for the TNC?

Thanks,

Duffy

J. Duffy Beischel - Amateur Radio WB8NUT

Member of: ARRL, NRA, Kiwanis, Republican Party, Masons, and Shriners
and the vast Right Wing conspiracy to get the Clintons

"If the government owned all the guns, would we still be a free people?"
---

452. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-22 13:06:51 UTC
From: ckg@osu.edu
Message-ID: <3c7641b0.3622350204@nntp.service.ohio-state.edu>
Source record: 6826

On Fri, 22 Feb 2002 10:23:10 +0000, Roger Barker <roger@peaksys.co.uk>
wrote:

>Wow! Cynical already, and the paint is hardly dry on your new callsign!
>;-)

No...jealous. Doesnt have the knowledge, resourses, money, and/or
equipment to make it happen, so he bashes those who do.

Typical double-digit IQ response... :)

73.

>
>In article <u7c42f7pdifn68@corp.supernews.com>, Martin <mab@delete-
>this.capita.nildram.co.uk> writes
>>I have to ay that it has me somewhat puzzled too - I am beginning
>>to come to the conclusion that it is a government conspiracy -
>>they want to know what we are doing every minute of the day
>>and very cleverly convince us to buy the kit and operate it
>>for them out of our own pockets :-)
>>
>>Martin (M3ABL)
>>
>>"Steve Lampereur" <kb9mwr@yahoo.com> wrote in message
>>news:2bb8e619.0110310854.236115b5@posting.google.com...
>>> ----- Forwarded message -----
>>> Date: Mon, 29 Oct 2001 02:53:12 EST
>>> From: ka1eui@w1gmf.#ema.ma.usa.noam
>>> To: aprs@usa
>>> Subject: Explain APRS's Attraction?
>>>
>>> Hello. Don't get me wrong, I want to like APRS, I really do. Let me tell
>>> you what I've done so far. I've set up a separate rig, and TNC, I've got
>>> my antenna up high enough where I'm seeing a lot of APRS stations. They
>>> come up on the screen, both mobiles and fixed stations. And that's it. I
>>> know, what did I expect? Don't know really. There just seems to be
>>> absolutely no communications. Even the TNC's aren't really talking all
>>> that much. It's just unconnected packets shouting out their positions.
>>> Maybe I'm missing something. I've got to be, because I understand how
>>> popular APRS is. Is there some messaging or keyboard to keyboard
>>> communication going on in the background?
>>> Please understand, I want to join in the fun, I just need some help!
>>> Thanks
>>> 73
>>> Jim KA1EUI

>>> KA1EUI@W1GMF.#EMA.MA.NOAM
>>>
>>> 73 - Jim, KA1EUI @ W1GMF
>>>
>>> Message timed: 08:29 on 2001-Oct-28
>>> Message sent using WinPack V6.70
>>>
>>> ----- End of forwarded message -----
>>
>>
>
>--
>Roger Barker, G4IDE - roger@peaksys.co.uk
>For UI-View go to - http://www.UI-View.com
>For WinPack go to - http://www.peaksys.co.uk

_____
Christopher K. Greenhalgh, N8WCT
AX.25: n8wct@w8cqk.#cmh.oh.usa.noam

"It's just about going fast...that's all...
http://home.insight.rr.com/cgreen"

453. Re: PK88 Question

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-22 13:52:52 UTC
From: Bob <robert.fay@unisys-nospam.com>
Message-ID: <a55ifl$5gu$1@si05.rsvl.unisys.com>
Source record: 6828

Try this url:
http://freeweb.pdq.net/medcalf/ztx/wire/index.html

Good Luck!
Bob WC0D

"J. Duffy Beischel" <duffyb01@fuse.net> wrote in message
news:1103_1014382862@news.fuse.net...
> A ham just gave me a PK88 but I did not get any documentation. Can anyone
please tell me the pin assignments on
> the front panel connector so that I can build a cable for the TNC?
>
> Thanks,
>
> Duffy
>
>
> ---
> J. Duffy Beischel - Amateur Radio WB8NUT
>
> Member of: ARRL, NRA, Kiwanis, Republican Party, Masons, and Shriners
> and the vast Right Wing conspiracy to get the Clintons
>
> "If the government owned all the guns, would we still be a free people?"
> ---
>
>

454. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-22 13:53:21 UTC
From: Clint Black <cb@enron.com>
Message-ID: <l3sd8.2717$jC3.68282@news1.east.cox.net>
Source record: 6827

"D. Stussy" <kd6lvw@bde-arc.ampr.org> wrote
> On Thu, 21 Feb 2002, Robert Ramsey wrote:
> >You guys are a scream. LOL
> >
> >Ham Radio and CB Radio are both hobbies. If the MURS guy wants to share
> >something with the news group then why not let him? Just relax. Maybe
he
> >has something to share that someone else might want.
> >
> >In and out,
> >
> >Rob
> >kc8kpx
>
> Apparently, you are unaware of his history with this group.

Correct. This group was hijacked by the BBS people years ago. All
the real experimenters are on mailing lists. Anything that goes on here
is completely dysfunctional.

Before BBS there was mostly NOS users here. So what I find especially
hilarious, is Hank AKA Tubby trying to distribute his SNOS without
source code. He says he's fixing all the code, because he's a much
better programmer than all the rest.

Some things come full circle in a short amount of time. But Amateur Radio
is as dead in America, as the Hula Hoop.

455. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-22 14:02:23 UTC
From: Clint Black <cb@enron.com>
Message-ID: <Pbsd8.2786$jC3.68799@news1.east.cox.net>
Source record: 6829

"Steve Lampereur" <kb9mwr@yahoo.com> wrote
>
> Hello. Don't get me wrong, I want to like APRS, I really do.

It doesn't grow on you. You can either appreciate it or not.

> Let me tell you what I've done so far.
> I've set up a separate rig, and TNC, I've got
> my antenna up high enough where I'm seeing a lot of APRS stations. They
> come up on the screen, both mobiles and fixed stations. And that's it. I
> know, what did I expect? Don't know really.

I'm the same way with my cell phone. I bought this cell phone, and
all it does is ring, and when I answer it, all I can do is talk into it and
hear other people. Am I missing something? Is this all there is?

> There just seems to be absolutely no communications.

Define communications. If all those APRS packets are beaconing data,
isn't that communications?

456. Re: BPQ or equivalent for Linux???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-22 14:53:47 UTC
From: jerko@mac_NOSPAM_.com
Message-ID: <1f7zciw.1yt92bplraqsrN%jerko@mac_NOSPAM_.com>
Source record: 6830

Hank Oredson <horedson@att.net> wrote:

> Check out TNOS, I think it has NET/ROM support.

NET/ROM you have in kernel as part of AX25 support.

Try to ge loopham distribution and see how things are set-up there.

Or you can always run dosemu and patch KISS trhough pipe in dosemu
serial port emulation (tested - works like charm). Just ttyp?? <> pty??
or something like that pairs.

--
Jerko Golubovic
9A6JGJ

APPLE - Think different

457. Re: DOS first, then Windows

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-22 14:53:47 UTC
From: jerko@mac_NOSPAM_.com
Message-ID: <1f7zcr5.6pygo318rman8N%jerko@mac_NOSPAM_.com>
Source record: 6831

Jim Shaffer, Jr. <jmshaffer@alltel.net> wrote:

> >True enough, but they're usually big clunky QRM'y Desk-Tops too. You
> >don't happen to be giving away any laptops do you?
>
> My laptop radiates a lot more noise than any recent desktop I've had, at least
> on HF frequencies.

True problem with PC.
Apple hardware behaves but does not have so much packet software
availabe...

And for most things old PPCs would suffice.

--
Jerko Golubovic
9A6JGJ

APPLE - Think different

458. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-22 16:25:48 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0202220825.bb49cb6@posting.google.com>
Source record: 6832

"D. Stussy" <kd6lvw@bde-arc.ampr.org> wrote in message
news:<Pine.LNX.4.44.0202220541330.20015-100000@exp.bde-arc.ampr.org>...
> On Thu, 21 Feb 2002, Robert Ramsey wrote:
> >You guys are a scream. LOL
> >
> >Ham Radio and CB Radio are both hobbies. If the MURS guy wants to share
> >something with the news group then why not let him? Just relax. Maybe he
> >has something to share that someone else might want.
> >
> >In and out,
> >
> >Rob
> >kc8kpx
>
> Apparently, you are unaware of his history with this group.

The only "history" I recall is attempting discussion of
Internet-backboned systems(on both ARS and MURS), while having to fend
off a couple of bitter old coots from Oregon and Texas who seem to
want to take things back to the "good old days" of HF-backbones and
PBBS systems.

Oh, by the way, I'm still pursuing an alt.radio.murs newsgroup, if
that makes you feel any better.

459. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-22 18:12:30 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3C768A0E.286F6C64@crosslink.net>
Source record: 6833

Clint Black wrote:
>
> "Steve Lampereur" <kb9mwr@yahoo.com> wrote
> > Let me tell you what I've done so far.
> > I've set up a separate rig, and TNC, I've got
> > my antenna up high enough where I'm seeing a lot of APRS stations. They
> > come up on the screen, both mobiles and fixed stations. And that's it. I
> > know, what did I expect? Don't know really.
>
> I'm the same way with my cell phone. ....
>
> > There just seems to be absolutely no communications.
>
> Define communications. If all those APRS packets are beaconing data,
> isn't that communications?

Steve has intuitively invoked an important axiom of information theory:
If the data sent has no value to any recipient then it is "noise", not
communications. What is the value of "seeing a lot of APRS stations that
come up on the screen, both mobiles and fixed stations"? Beat's me! I
guess that, like beauty, its value is in the eye of the beholder.
73 KA3DWW

460. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-22 18:52:46 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0202221851100.21507-100000@exp.bde-arc.ampr.org>
Source record: 6834

On Fri, 22 Feb 2002, Howard Goldstein wrote:
>On 21 Feb 2002 16:12:09 -0800, stewart <horseshoe7@yahoo.com> wrote:
> : "D. Stussy" <kd6lvw@bde-arc.ampr.org> wrote in message
news:<Pine.LNX.4.44.0202210003100.18146-100000@exp.bde-arc.ampr.org>...
> :
> : > The key to this newsgroup is that it is for AMATEUR radio. MURS is not amateur
> : > radio.
> :
> : You know, it seemed to me that there was no reason why MURS digital
> : experimenters/impementers and Amateur experimenters/implementers
> : couldn't get along together on this group.
>
>Can we amateurs run MURS on the ham bands w/o risk of losing our tickets?

This question makes no sense, but then again, it's coming from Stewart, so why
should it? How does one "run MURS on the ham bands?" MURS has its own
frequencies....

> : However, I've got a lot more important things to do than banter over
> : this issue. So, I've been working on creating a Usenet Newsgroup for
> : MURS. However, these things just don't happen overnight, so
>
>Where would you fit it in alt? ALthough I'd recommend opening a
>discussion in alt.config first for better coverage if you really want
>it now I'll be glad send out a newgroup overnight tonight.

alt.radio.murs

The third segment is indicative of the radio service.

461. Re: I-Link details?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-22 20:45:50 UTC
From: jeff <wd4nmq@earthilnk.net>
Message-ID: <3C76AE0F.E0574AE4@earthilnk.net>
Source record: 6835

If you find out anything, please let me know.
As a card carrying member of the anti-Windows-based-on-technical-merit
club I want it ported to Linux. Even want to do it myself. But, you need
the specifications in order to do it.

David Cook wrote:
>
> Does anyone have any technical details on the I-Link protocol? I've visited
> http://www.aacnet.net/, of course, but am finding virtually nothing of use.
> The QST article in this month's issue was essentially a better version of
> the users guide, but didn't have any details either. Unlike PSK31 where
> Peter Martinez and others have done an excellent job of making the details
> available, I-Link seems to be a mystery. I commend Graeme Barnes on the
> I-Link program, but as a ham, I'm not about to try it if I can't unscrew the
> panels and inspect the guts first.
>
> Thanks for any pointers and 73 to all,
> -- Dave, WA0TTN

--
Jeff, wd4nmq
wd4nmq@earthlink.net
http://home.earthlink.net/~wd4nmq

462. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-22 22:38:46 UTC
From: Clint Black <cb@enron.com>
Message-ID: <WLzd8.2957$jC3.98893@news1.east.cox.net>
Source record: 6836

"Vito" <vito@crosslink.net> wrote
> Clint Black wrote:
> >
> > "Steve Lampereur" <kb9mwr@yahoo.com> wrote
> > > Let me tell you what I've done so far.
> > > I've set up a separate rig, and TNC, I've got
> > > my antenna up high enough where I'm seeing a lot of APRS stations.
They
> > > come up on the screen, both mobiles and fixed stations. And that's
it. I
> > > know, what did I expect? Don't know really.
> >
> > I'm the same way with my cell phone. ....
> >
> > > There just seems to be absolutely no communications.
> >
> > Define communications. If all those APRS packets are beaconing data,
> > isn't that communications?
>
> Steve has intuitively invoked an important axiom of information theory:
> If the data sent has no value to any recipient then it is "noise", not
> communications. What is the value of "seeing a lot of APRS stations that
> come up on the screen, both mobiles and fixed stations"? Beat's me! I
> guess that, like beauty, its value is in the eye of the beholder.
> 73 KA3DWW

"no value to any recipient" is where we disagree. Sure it has no value
to many, but if it has value to even one, then it is not "noise."

APRS is exactly the same as military TADIL-A (and B) was from 1954 to
about 1995. The military is moving to Spread Spectrum and JTIDS, but
the basics are still the same. Moving and fixed stations are plotted on the
display, and also special points and vectors are drawn. For example,
multiple vectors to a jammer that can be triangulated, etc.

Hams being basically stupid, have only used about 10% of the capability
that APRS would provide. Out in the midwest you can see where all the
tornado's are, because all the storm trackers GPS their position and
weather reports.

Open your fucking mind.

463. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-22 22:48:24 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0202221448.4e01bd40@posting.google.com>
Source record: 6837

"D. Stussy" <kd6lvw@bde-arc.ampr.org> wrote in message
news:<Pine.LNX.4.44.0202221851100.21507-100000@exp.bde-arc.ampr.org>...
> On Fri, 22 Feb 2002, Howard Goldstein wrote:
> >On 21 Feb 2002 16:12:09 -0800, stewart <horseshoe7@yahoo.com> wrote:
> > : "D. Stussy" <kd6lvw@bde-arc.ampr.org> wrote in message
news:<Pine.LNX.4.44.0202210003100.18146-100000@exp.bde-arc.ampr.org>...
> > :
> > : > The key to this newsgroup is that it is for AMATEUR radio. MURS is not amateur
> > : > radio.
> > :
> > : You know, it seemed to me that there was no reason why MURS digital
> > : experimenters/impementers and Amateur experimenters/implementers
> > : couldn't get along together on this group.
> >
> >Can we amateurs run MURS on the ham bands w/o risk of losing our tickets?
>
> This question makes no sense, but then again, it's coming from Stewart, so why
> should it? How does one "run MURS on the ham bands?" MURS has its own
> frequencies....

Coming from Stewart????? Stussy, I've always wondered where you were
coming from when you were speaking to me... I always felt that you
were mixing me up with someone else. Now it is perfectly clear that
you ARE mixing me up with someone else.

464. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-23 00:03:34 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <q%Ad8.7051$Im1.465808@bgtnsc05-news.ops.worldnet.att.net>
Source record: 6838

"Clint Black" <cb@enron.com> wrote in message
news:l3sd8.2717$jC3.68282@news1.east.cox.net...
> "D. Stussy" <kd6lvw@bde-arc.ampr.org> wrote
> > On Thu, 21 Feb 2002, Robert Ramsey wrote:
> > >You guys are a scream. LOL
> > >
> > >Ham Radio and CB Radio are both hobbies. If the MURS guy wants to share
> > >something with the news group then why not let him? Just relax. Maybe
> he
> > >has something to share that someone else might want.
> > >
> > >In and out,
> > >
> > >Rob
> > >kc8kpx
> >
> > Apparently, you are unaware of his history with this group.
>
>
> Correct. This group was hijacked by the BBS people years ago. All
> the real experimenters are on mailing lists. Anything that goes on here
> is completely dysfunctional.
>
> Before BBS there was mostly NOS users here.

Eh what? Was mostly RTTY, then AX.25, then BBS ... and then
later on the NOS folks were here, now any technical or operational
discussion has moved elsewhere due to all the non-ham crap.

Try asking for help testing a new mode or new protocol ...
... most of the responses run along the lines of "Why would
you use Ham Radio when you have the internet."

> So what I find especially
> hilarious, is Hank AKA Tubby trying to distribute his SNOS without
> source code. He says he's fixing all the code, because he's a much
> better programmer than all the rest.

Wow are you confused!
You want to try SNOS, you have to beg for it.

> Some things come full circle in a short amount of time. But Amateur Radio
> is as dead in America, as the Hula Hoop.

Yeah, right.

--

... Hank

http://horedson.home.att.net

465. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-23 00:04:27 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <f0Bd8.7053$Im1.467240@bgtnsc05-news.ops.worldnet.att.net>
Source record: 6839

"stewart" <horseshoe7@yahoo.com> wrote in message
news:5f4fe4c2.0202220825.bb49cb6@posting.google.com...
> "D. Stussy" <kd6lvw@bde-arc.ampr.org> wrote in message
news:<Pine.LNX.4.44.0202220541330.20015-100000@exp.bde-arc.ampr.org>...
> > On Thu, 21 Feb 2002, Robert Ramsey wrote:
> > >You guys are a scream. LOL
> > >
> > >Ham Radio and CB Radio are both hobbies. If the MURS guy wants to share
> > >something with the news group then why not let him? Just relax. Maybe he
> > >has something to share that someone else might want.
> > >
> > >In and out,
> > >
> > >Rob
> > >kc8kpx
> >
> > Apparently, you are unaware of his history with this group.
>
> The only "history" I recall is attempting discussion of
> Internet-backboned systems(on both ARS and MURS), while having to fend
> off a couple of bitter old coots from Oregon and Texas who seem to
> want to take things back to the "good old days" of HF-backbones and
> PBBS systems.

You are very very confused.
We would like to use ham radio.
It's that simple.

> Oh, by the way, I'm still pursuing an alt.radio.murs newsgroup, if
> that makes you feel any better.

Glad to hear it!

--

... Hank

http://horedson.home.att.net

466. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-23 00:08:34 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <64Bd8.7060$lm1.466437@bgtnsc05-news.ops.worldnet.att.net>
Source record: 6840

"stewart" <horseshoe7@yahoo.com> wrote in message
news:5f4fe4c2.0202212249.460db422@posting.google.com...
> "Robert Ramsey" <rramsey@ezo.net> wrote in message
news:<u7bddj8e69qf30@corp.supernews.com>...
> > You guys are a scream. LOL
> >
> > Ham Radio and CB Radio are both hobbies.
>
> While I mostly agree with your statement, I'd like to add that MURS
> was derived from 5 old business band frequencies, and tends to have a
> more "business-like" slant to it than 11m CB.
>
> > If the MURS guy wants to share
> > something with the news group then why not let him?
>
> I should mention that I'm not just a MURS guy, my ham callsign is
> N0MHS.
>
> > Just relax. Maybe he has something to share that someone else might want.
>
> Absolutely. However, I've found that those that have an old grudge
> against Internet-backboning are not going to have their attitudes
> easily changed. As ludicrous as it sounds, they will not give up on
> the idea that everyone must go back to HF-backboning... it is kind of
> like the Morse Code debate - old habits and attitudes die hard in the
> Amateur Service.

I asked you earlier in this thread to share the technical details
of your proposed MURSLink service. Care to do so?

Is there a spec?
Is there an open source project?
Will it run at reasonable speed (> 19k2)?
Post a URL?

So far ya nothing but hot air about some commercial
stuff you think you might maybe wanna do ... if you
can convince enough hams to do it on commercial
frequencies instead of on ham radio. So tell us what
is new interesting and different about this wonderful
stuff, other than it allows you to make money.

--

... Hank

http://horedson.home.att.net

467. Re: I-Link details?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-23 02:19:11 UTC
From: Unclaimed Mysteries <k4doh@mindspring.com>
Message-ID: <a56u58$nt9$1@slb6.atl.mindspring.net>
Source record: 6841

"jeff" <wd4nmq@earthilnk.net> wrote in message
news:3C76AE0F.E0574AE4@earthilnk.net...
> If you find out anything, please let me know.
> As a card carrying member of the anti-Windows-based-on-technical-merit
> club I want it ported to Linux. Even want to do it myself. But, you need
> the specifications in order to do it.
>

http://www.irlp.net/ is your friend.

--

It Came From C. L. Smith's Unclaimed Mysteries.
http://www.unclaimedmysteries.net

468. Re: MURS packet experimentation in SoCal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-23 02:57:32 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0202230255120.22359-100000@exp.bde-arc.ampr.org>
Source record: 6842

On 22 Feb 2002, stewart wrote:
>"D. Stussy" <kd6lvw@bde-arc.ampr.org> wrote in message
news:<Pine.LNX.4.44.0202221851100.21507-100000@exp.bde-arc.ampr.org>...
>> On Fri, 22 Feb 2002, Howard Goldstein wrote:
>> >On 21 Feb 2002 16:12:09 -0800, stewart <horseshoe7@yahoo.com> wrote:
>> > : "D. Stussy" <kd6lvw@bde-arc.ampr.org> wrote in message
news:<Pine.LNX.4.44.0202210003100.18146-100000@exp.bde-arc.ampr.org>...
>> > :
>> > : > The key to this newsgroup is that it is for AMATEUR radio. MURS is not amateur
>> > : > radio.
>> > :
>> > : You know, it seemed to me that there was no reason why MURS digital
>> > : experimenters/impementers and Amateur experimenters/implementers
>> > : couldn't get along together on this group.
>> >
>> >Can we amateurs run MURS on the ham bands w/o risk of losing our tickets?
>>
>> This question makes no sense, but then again, it's coming from Stewart, so why
>> should it? How does one "run MURS on the ham bands?" MURS has its own
>> frequencies....
>
>Coming from Stewart????? Stussy, I've always wondered where you were
>coming from when you were speaking to me... I always felt that you
>were mixing me up with someone else. Now it is perfectly clear that
>you ARE mixing me up with someone else.

Your name does appear in the above-quoted stack of messages, doesn't it?

All this proves is that we know that ANY of this MURS drivel on this newsgroup
is all Stewart Teaze's fault. It certainly proves that I think such, and I
will leave it as "an exercise for the reader" to demonstrate that others (such
as Hank) think so too.

469. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-23 04:54:24 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020222235424.13673.00000146@mb-fw.aol.com>
Source record: 6843

While we're on the topic of APRS, I will be getting into Packet by April/May as I move into my new house. I have no desire to have my house shown on any APRS screens, and I even use a PO Box on my ticket. Will running a packet station automatically subject me to being shown on APRS screens, or do I need to be running special software in order to be displayed?
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Toms River, NJ USA! Grid FM29ww
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

470. Re: I-Link details?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-23 05:37:54 UTC
From: David Cook <nospami.davepc2@oz.net>
Message-ID: <SUFd8.2578$dK1.9730@rwcrnsc54>
Source record: 6844

I was wondering if I-Link had anything to do with IRLP, as I mentioned in an earlier posting in this thread. I took a look and found that IRLP is based on SpeakFreely, which is an open-source Internet phone program that I've also known about for some time. Long story short, looking that the SpeakFreely code, it appears that IRLP is SpeakFreely but using different, and previously mentioned, port numbers.

So, at least part of the mystery of I-Link seems to be uncovered.

-- Dave, WA0TTN

"Unclaimed Mysteries" <k4doh@mindspring.com> wrote in message news:a56u58$nt9$1@slb6.atl.mindspring.net...
>
> "jeff" <wd4nmq@earthilnk.net> wrote in message
> news:3C76AE0F.E0574AE4@earthilnk.net...
> > If you find out anything, please let me know.
> > As a card carrying member of the anti-Windows-based-on-technical-merit
> > club I want it ported to Linux. Even want to do it myself. But, you need
> > the specifications in order to do it.
> >
>
> http://www.irlp.net/ is your friend.
>
>
> --
>
> It Came From C. L. Smith's Unclaimed Mysteries.
> http://www.unclaimedmysteries.net
>
>
>

471. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-23 11:11:29 UTC
From: lak <lak@radio.land.com>
Message-ID: <a57tcr$9s6$1@news.chatlink.com>
Source record: 6845

"Vito" <vito@crosslink.net> wrote in message
news:3C768A0E.286F6C64@crosslink.net...
>
> Steve has intuitively invoked an important axiom of information theory:
> If the data sent has no value to any recipient then it is "noise", not
> communications. What is the value of "seeing a lot of APRS stations that
> come up on the screen, both mobiles and fixed stations"? Beat's me! I
> guess that, like beauty, its value is in the eye of the beholder.

Lets look at Ham Radio in the big picture. When I talk about Ham with people outside the hobby
but work in electronics engineering (my career field). The first thing they mention is alot of people
running around the handheld radios strapped on looking like the Frito Bandito with microphones
criscrossing their chests. Those that have listened either with scanners or overheard the
communications of said Frito Banditos, always comment upon the trival and non-important
topics of discussion they have heard. For example, someone using the auto-patch to call home
while only a block away from home to inquire if the XYL needs "a loaf of bread" or some other
small and trival item.

In the big scheme of life people get different things from their hobbys. I got into APRS because
it helps me explore how a system similar to the commerical version Vehicle Locator and ID system
works. This helps me understand what our customers are up against when we need to design
a an antenna system supporting their VHF communications.

My point is Ham Radio is alot of on the surface trival bull shit that if explored has meaning to
someone. Just because one person does not benfit nor understand what come out of it does not
mean someone else can not.

lak

472. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-23 11:27:13 UTC
From: Clint Black <cb@enron.com>
Message-ID: <l0Ld8.3940$jC3.141429@news1.east.cox.net>
Source record: 6846

APRS users transmit lat/lon information (using GPS
when mobile). They don't really associate with people
who are hiding or crouched in one corner of their house
as society moves on around them.

"VHFRadioBuff" vhfradiobuff@aol.com wrote
> While we're on the topic of APRS, I will be getting into Packet by
April/May as
> I move into my new house. I have no desire to have my house shown on any
APRS
> screens, and I even use a PO Box on my ticket. Will running a packet
station
> automatically subject me to being shown on APRS screens, or do I need to
be
> running special software in order to be displayed?

473. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-23 13:48:24 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020223084824.17710.00000214@mb-fn.aol.com>
Source record: 6847

>APRS users transmit lat/lon information (using GPS
>when mobile). They don't really associate with people
>who are hiding or crouched in one corner of their house
>as society moves on around them.
>

Thanks for the sarcastic reply. For your information, I am not hiding. Due to my line of work, I choose not to have my address as publicly accessable as most hams.
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Toms River, NJ USA! Grid FM29ww
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

474. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-23 13:50:04 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020223085004.17710.00000215@mb-fn.aol.com>
Source record: 6848

>APRS users transmit lat/lon information (using GPS
>when mobile). They don't really associate with people
>who are hiding or crouched in one corner of their house
>as society moves on around them.
>

Oh, while we're on the topic of hiding, what's with the fake email and no
callsign?
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Toms River, NJ USA! Grid FM29ww
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

475. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-23 14:14:24 UTC
From: Roger Barker <roger@peaksys.co.uk>
Message-ID: <33JODWAAP6d8EwlJ@peaksys.co.uk>
Source record: 6849

In article <20020222235424.13673.00000146@mb-fw.aol.com>, VHFRadioBuff
<vhfradiobuff@aol.comspamsux> writes
>While we're on the topic of APRS, I will be getting into Packet by April/May as
>I move into my new house. I have no desire to have my house shown on any APRS
>screens, and I even use a PO Box on my ticket. Will running a packet station
>automatically subject me to being shown on APRS screens, or do I need to be
>running special software in order to be displayed?

How do you think your house is going to appear on someone's APRS screen,
unless you *choose* to transmit its location?

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

476. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-23 14:27:03 UTC
From: wa8ulx@aol.com
Message-ID: <20020223092703.09693.00000283@mb-fc.aol.com>
Source record: 6850

>I am not hiding. Due to
>my line of work, I choose not to have my address as publicly accessable as
>most
>hams.

What are you a SPY?

477. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-23 15:01:23 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020223100123.17751.00000139@mb-fn.aol.com>
Source record: 6852

>How do you think your house is going to appear on someone's APRS screen,
>unless you *choose* to transmit its location?

I dunno, that's why I wanted to ask. I thought perhaps while I was engaged in packet activity, that APRS was able to show locations of stations transmiting on packet. Apparently I was mistaken. Like I said, I am just getting into packet and don't know a whole lot about it.
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Toms River, NJ USA! Grid FM29ww
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

478. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-23 15:01:56 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020223100156.17751.00000140@mb-fn.aol.com>
Source record: 6851

>What are you a SPY?

Look me up on QRZ and you'll understand, somewhat...
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Toms River, NJ USA! Grid FM29ww
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

479. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-23 15:36:19 UTC
From: wa8ulx@aol.com
Message-ID: <20020223103619.21052.00000293@mb-fi.aol.com>
Source record: 6853

>Look me up on QRZ and you'll understand, somewhat...

Well I didnt look you up on QRZ, but I did go to your WEB Page. I what do I find under your Rigs Section:
"Cobra 142 CB radio - Covers the standard 40 CB channels, AM/SSB modes, hooked up to an Imax 2000 vertical antenna"
Just as I thought another Cber with a CBpluser License.
And by the way your Picture is dorkee looking.

480. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-23 15:39:08 UTC
From: wa8ulx@aol.com
Message-ID: <20020223103908.21052.00000294@mb-fi.aol.com>
Source record: 6854

I just looked you up on QRZ, so what is so important there, that prevents you from having your Addresse there?????

481. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-23 15:40:48 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <4KOd8.2101$FE4.109878@bgtnsc04-news.ops.worldnet.att.net>
Source record: 6855

"VHFRadioBuff" <vhfradiobuff@aol.comspamsux> wrote in message
news:20020223100123.17751.00000139@mb-fn.aol.com...
> >How do you think your house is going to appear on someone's APRS screen,
> >unless you *choose* to transmit its location?
>
> I dunno, that's why I wanted to ask. I thought perhaps while I was engaged in
> packet activity, that APRS was able to show locations of stations transmiting
> on packet. Apparently I was mistaken. Like I said, I am just getting into
> packet and don't know a whole lot about it.
> =-
> 73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
> Toms River, NJ USA! Grid FM29ww
> http://vhfradiobuff.tripod.com
> http://edfas.tripod.com

When you transmit, on any band, one can DF you and find
out exactly where you are located. When you choose to use
radio (Ham, CB, MURS, whatever) your location WILL be
known to anyone who really wants to find out.

--

... Hank

http://horedson.home.att.net

482. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-23 15:41:03 UTC
From: wa8ulx@aol.com
Message-ID: <20020223104103.21052.00000296@mb-fi.aol.com>
Source record: 6856

>I dunno, that's why I wanted to ask. I thought perhaps while I was engaged in
>packet activity, that APRS was able to show locations of stations transmiting
>on packet.

So what is the Big Deal if it does, are you in the Secret Service, or a Spy, or
in the Wittness Protection Program or what?

483. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-23 15:54:38 UTC
From: Dick Hughes <rhughes33@cableone.net>
Message-ID: <kgef7u0c68q7vchvpp7cau55h93uh3rflr@4ax.com>
Source record: 6857

Packet is just another form of communication. APRS requires that you
have a GPS connected to your radio so that you can transmit your exact
location. Very useful if you are lost in the mountains and can reach
a repeater.

Dick - W6CCD

On 23 Feb 2002 15:01:23 GMT, vhfradiobuff@aol.comspamsux
(VHFRadioBuff) wrote:

>>How do you think your house is going to appear on someone's APRS screen,
>>unless you *choose* to transmit its location?
>
>I dunno, that's why I wanted to ask. I thought perhaps while I was engaged in
>packet activity, that APRS was able to show locations of stations transmiting
>on packet. Apparently I was mistaken. Like I said, I am just getting into
>packet and don't know a whole lot about it.
>=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
>73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
>Toms River, NJ USA! Grid FM29ww
>http://vhfradiobuff.tripod.com
>http://edfas.tripod.com

484. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-23 17:19:56 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020223121956.17735.00000191@mb-fn.aol.com>
Source record: 6858

>Well I didnt look you up on QRZ, but I did go to your WEB Page. I what do I

Geez, I've got you in the filters for the AOL ham forums, guess I have to add
you to the filters in the newsgroups too.
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Toms River, NJ USA! Grid FM29ww
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

485. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-23 17:23:14 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020223122314.17735.00000192@mb-fn.aol.com>
Source record: 6859

>So what is the Big Deal if it does, are you in the Secret Service, or a Spy,
>or

"I always feel like, somebody's watching me!" lalala
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Toms River, NJ USA! Grid FM29ww
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

486. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-23 19:49:01 UTC
From: Clint Black <cb@enron.com>
Message-ID: <NmSd8.4557$jC3.175170@news1.east.cox.net>
Source record: 6860

Worse. I think he's a radio and TV personality! :-)

"WA8ULX" <wa8ulx@aol.com> wrote
> >I am not hiding. Due to
> >my line of work, I choose not to have my address as publicly accessable
as
> >most
> >hams.
>
> What are you a SPY?

487. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-23 19:50:52 UTC
From: Clint Black <cb@enron.com>
Message-ID: <woSd8.4559$jC3.175348@news1.east.cox.net>
Source record: 6861

Geez, what an asshole. Do you have any friends?
Does your plumper wife even get close to your
shriveled penis anymore?

"WA8ULX" <wa8ulx@aol.com> wrote
> >Look me up on QRZ and you'll understand, somewhat...
>
> Well I didnt look you up on QRZ, but I did go to your WEB Page. I what do
I
> find under your Rigs Section:
> "Cobra 142 CB radio - Covers the standard 40 CB channels, AM/SSB modes,
hooked
> up to an Imax 2000 vertical antenna"
> Just as I thought another Cber with a CBpluser License.
> And by the way your Picture is dorkee looking.

488. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-23 19:59:02 UTC
From: Clint Black <cb@enron.com>
Message-ID: <awSd8.4565$jC3.175897@news1.east.cox.net>
Source record: 6862

He's assuming a greater intelligence then you are
displaying here. Show it to your grandpa, as I suspect
he would be that last "real" man in your gene pool.

"WA8ULX" <wa8ulx@aol.com> wrote
> I just looked you up on QRZ, so what is so important there, that prevents
you
> from having your Addresse there?????

489. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-23 20:04:14 UTC
From: Clint Black <cb@enron.com>
Message-ID: <2BSd8.4566$jC3.176553@news1.east.cox.net>
Source record: 6863

Right now, the SEC and Federali's are looking for me,
as my company just went poof. My callsign changes
every day, so you'll have to wait till I call you.

"VHFRadioBuff" vhfradiobuff@aol.com wrote
>
> Oh, while we're on the topic of hiding, what's with the fake email and no
> callsign?

490. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-23 20:26:15 UTC
From: wa8ulx@aol.com
Message-ID: <20020223152615.21694.00000419@mb-mq.aol.com>
Source record: 6864

>"I always feel like, somebody's watching me!" lalala
>=-
>73! de Andy KC2SSB

Oh God, give me a BreaK.

491. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-23 20:26:59 UTC
From: wa8ulx@aol.com
Message-ID: <20020223152659.21694.00000421@mb-mq.aol.com>
Source record: 6866

>Worse. I think he's a radio and TV personality! :-)

Maybe on CB Channel 19

492. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-23 20:28:34 UTC
From: wa8ulx@aol.com
Message-ID: <20020223152834.21694.00000423@mb-mq.aol.com>
Source record: 6865

>as I suspect
>he would be that last "real" man in your gene pool.
>

I got your Gene pool right here.

493. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-23 20:30:22 UTC
From: wa8ulx@aol.com
Message-ID: <20020223153022.21694.00000425@mb-mq.aol.com>
Source record: 6867

>Do you have any friends?

Yes, your Mother

494. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-24 08:19:04 UTC
From: Unclaimed Mysteries <k4doh@mindspring.com>
Message-ID: <a5a7js$8ii$1@slb6.atl.mindspring.net>
Source record: 6868

"Hank Oredson" <horedson@att.net> wrote in message
news:4KOd8.2101$FE4.109878@bgtnsc04-news.ops.worldnet.att.net...
>
> "VHFRadioBuff" <vhfradiobuff@aol.comspamsux> wrote in message
> news:20020223100123.17751.00000139@mb-fn.aol.com...
> > >How do you think your house is going to appear on someone's APRS
screen,
> > >unless you *choose* to transmit its location?
> >
> > I dunno, that's why I wanted to ask. I thought perhaps while I was
engaged in
> > packet activity, that APRS was able to show locations of stations
transmiting
> > on packet. Apparently I was mistaken. Like I said, I am just getting
into
> > packet and don't know a whole lot about it.
> > =-
> > 73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
> > Toms River, NJ USA! Grid FM29ww
> > http://vhfradiobuff.tripod.com
> > http://edfas.tripod.com
>
> When you transmit, on any band, one can DF you and find
> out exactly where you are located. When you choose to use
> radio (Ham, CB, MURS, whatever) your location WILL be
> known to anyone who really wants to find out.
>

Even with a combination cloaking device/echo mike? Oh, boy am I in
trouble...

Corry
--

It Came From C. L. Smith's Unclaimed Mysteries.
http://www.unclaimedmysteries.net

I have sold more books about physics than Madonna has about sex.
- Stephen Hawking

495. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-24 08:23:27 UTC
From: Unclaimed Mysteries <k4doh@mindspring.com>
Message-ID: <a5a7s3ffh1@slb0.atl.mindspring.net>
Source record: 6869

(Top-posting, being a Crime against Nature, corrected.)

> "WA8ULX" <wa8ulx@aol.com> wrote
> > >I am not hiding. Due to
> > >my line of work, I choose not to have my address as publicly accessable
> as
> > >most
> > >hams.
> >
> > What are you a SPY?
>

> "Clint Black" <cb@enron.com> wrote in message
news:NmSd8.4557$jC3.175170@news1.east.cox.net...
> Worse. I think he's a radio and TV personality! :-)
>

If so, I hope he realizes that admitting the problem is the first step to a
full recovery.

Corry
--
It Came From C. L. Smith's Unclaimed Mysteries.
http://www.unclaimedmysteries.net/

Sean Ormond wrote in atl.general: "Do this for me Corry...Next time you
conveniently get from point A to point B using a gas-powered vehicle (I'm
guessing this will happen in less than 24 hrs), go ahead and drop to your
knees and give a little prayer to Gaia, the Fairy Queen, or whatever it is
you nut-jobs worship. You can thank her for schools like Georgia Tech,
where students learn how to do something other than hug trees and hate
America for a living."

496. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-24 11:08:12 UTC
From: lak <lak@radio.land.com>
Message-ID: <a5ahiqlil1@news.chatlink.com>
Source record: 6870

After a quick look at the site, he is in the Army most likely with a Communication or Intel Unit. I would lean toward being in an Intel Unit as his list of duty posts include Ft. Campbell (home of the 82nd Airborne), Ft. Belvoir (Home of Enginnering school) and Korea (the last bastion of real communist activity is the Far East right now). He Lives (or use to live on base) on base at Ft. Monmouth and doesnt want to transmit his LAT/LON in fear of targeting information being provided to the enemies of the U.S. Army or compromising his security clearence. He hails from New England area most likely Rhode Island and is of Anglo-Saxon or Cletic heritage best guess would from Wales or western UK judging from the last name and facial structure from what can be seen in the picture.

As casual observer I gleaned all this intellligence from his web site or at least this is the image project by that data.

Bun, James Bun......Agent 001 and I have a licence to bore! I like mine mixed in a cement mixe not stirred.........

"VHFRadioBuff" <vhfradiobuff@aol.comspamsux> wrote in message news:20020223084824.17710.00000214@mb-fn.aol.com...
> >APRS users transmit lat/lon information (using GPS
> >when mobile). They don't really associate with people
> >who are hiding or crouched in one corner of their house
> >as society moves on around them.
> >
>
> Thanks for the sarcastic reply. For your information, I am not hiding. Due to
> my line of work, I choose not to have my address as publicly accessable as most
> hams.
> =-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
> 73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
> Toms River, NJ USA! Grid FM29ww
> http://vhfradiobuff.tripod.com
> http://edfas.tripod.com

497. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-24 14:18:38 UTC
From: wa8ulx@aol.com
Message-ID: <20020224091838.21348.00000419@mb-ch.aol.com>
Source record: 6871

I got it. He is affraid some Bad Cber will find out where he lives and come over and pin his Coax. Or maybe hes hidding from Riley.
You guys better not tell him that once you have APRS software on your Computer it will automatically send your Lat Long over the Internet to the FCC.

498. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-24 15:33:20 UTC
From: Clint Black <cb@enron.com>
Message-ID: <4J7e8.5912$jC3.246583@news1.east.cox.net>
Source record: 6872

Here's the pride of Covington, Louisiana (from QRZ):

BRUCE A BEYNON
804 W 12TH AVE
COVINGTON, LA 70433
(985) 893-7227

Biography Info:

One of the only Real Hams left, most of the new ones are CBplussers

What a sad excuse for an Amateur Radio Operator. Just despicable.

"WA8ULX" <wa8ulx@aol.com> wrote
> I got it. He is affraid some Bad Cber will find out where he lives and
come
> over and pin his Coax. Or maybe hes hidding from Riley.
> You guys better not tell him that once you have APRS software on your
Computer
> it will automatically send your Lat Long over the Internet to the FCC.

499. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-24 16:20:03 UTC
From: wa8ulx@aol.com
Message-ID: <20020224112003.09730.00000461@mb-fc.aol.com>
Source record: 6873

>Here's the pride of Covington, Louisiana (from QRZ):
>
>BRUCE A BEYNON
> 804 W 12TH AVE
>COVINGTON, LA 70433
> (985) 893-7227
>
>Biography Info:
>
>One of the only Real Hams left, most of the new ones are CBplussers
>
>What a sad excuse for an Amateur Radio Operator. Just .
>
Get over it CBer, at least we know, you know how to go to QRZ. Any other great Talents you have hidden away?
" Despicable" you say, what is despicable is, the No Knowledge Cbers who are now Ham Radio Ops

500. MURSlink packet experimentation on ARS frequencies

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-24 18:26:16 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0202241026.2925621e@posting.google.com>
Source record: 6874

From what I can tell, there were only two folks complaining about the MURS thread about MURSlink Internet-backboned packet experimentation.

With only one last person left complaining specifically against Internet-backboned systems - perhaps there is hope yet to improve on AX.25 in the Amateur Service. To appease those(Stussy) who felt that the original thread about packet experimentation specifically on MURS was not relevant to this group, it is best that the name of the thread be changed to MURSlink packet experimentation on ARS frequencies.

It turns out that MURSlink will work equally well on ARS frequencies; so the specific discussion of MURS is irrelavant.

One area where MURSlink is designed to optimize thruput vs. AX.25, is in regards to routing protocol and station identification. MURSlink uses a time-slot allocation scheme that supports up to three simultaneous "users" from each Internet-backboned "access point"(AP). As routing is no longer handled at the RF-layer, the incessant transfer of "to" and "from" ID fields can be eliminated. But, the FCC Part 97 regulations still require that an Amateur station ID itself at least once every 10 minutes, and at the end of every communication. Let's look at an example of how station identification would work with MURSlink. The two main services provided by MURSlink are e-mail transfers, and position location reporting. For example, when sending e-mail, users request access to the network by transmitting an E-mail Transmission Request(ETReq) message, which provides the size of the e-mail to be sent(currently proposed limit is 8Kb). The ETReq message includes a station identification field, which could be an Amateur Radio Service callsign. No other explicit station identification will be made thru the protocaol during the ensuing transfer - however, station identification will be implied by the time slot allocations made by the AP. In any event, by limiting the size of the transfer, the 10 minute identification requirement can be met explicitly. To help meet the ARS requirement to provide station identification at the end of any communication, the user must include his or her callsign as the very last piece of text in the transmitted e-mail. At fist glance, it might appear that this last requirement should not be actually necessary, as the station identification can be implied by the time slot. However, for a station monitoring the transfer, who wishes to identify the user station, but who began monitoring the communication during the middle of transfer, he would need to have this ID present to determine the sender.

501. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-24 18:37:04 UTC
From: Clint Black <cb@enron.com>
Message-ID: <kpae8.7242$jC3.259715@news1.east.cox.net>
Source record: 6875

"WA8ULX" <wa8ulx@aol.com> wrote
>
> " Despicable" you say, what is despicable is, the No
> Knowledge Cbers who are now Ham Radio Ops

Well I'm sure if everyone were White down there, there
wouldn't be any reason to have two places to shit.

502. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-24 19:46:34 UTC
From: wa8ulx@aol.com
Message-ID: <20020224144634.21182.00000723@mb-mv.aol.com>
Source record: 6876

>Well I'm sure if everyone were White down there, there
>wouldn't be any reason to have two places to shit.
>

You really are an Idiot. But you are right in one sense, we do have 2 places to shit, 1 for Males and 1 for Females.

503. Re: MURSlink packet experimentation on ARS frequencies

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-24 21:31:18 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <GYce8.11785$lm1.794469@bgtnsc05-news.ops.worldnet.att.net>
Source record: 6877

"stewart" <horseshoe7@yahoo.com> wrote in message
news:5f4fe4c2.0202241026.2925621e@posting.google.com...
> From what I can tell, there were only two folks complaining about the
> MURS thread about MURSlink Internet-backboned packet experimentation.

You didn't pay very good attention.
Spam away though ...

> With only one last person left complaining specifically against
> Internet-backboned systems - perhaps there is hope yet to improve on
> AX.25 in the Amateur Service.

Now I'm confused again. You talk about radio, then
you instantly shift to talking about land lines. Try and
keep to the topic: radio.

> To appease those(Stussy) who felt that

I agreed with him.

> the original thread about packet experimentation specifically on MURS
> was not relevant to this group, it is best that the name of the thread
> be changed to MURSlink packet experimentation on ARS frequencies.

Where is the spec?

I keep asking, so we can have an actual technical discussion.

How does MURSLink work?
Does it use some protocol other than AX.25?
Does it use HDLC?
What does it provide at layers 3 and 4?
Is there a broadcast protocol?
How is station identification handled?
Is there an existing STA for this protocol?
Would it be a good protocol for weak signals?
Would it be a good protocol for HF?
Can existing TNCs be retrofitted?
Is there a software implementation a la Baycom?

Try and get this back on topic: tell us about the radio part.

Linking radios via land lines is trivial and has been done
for decades. That part is obvious ... the radio part is interesting.

--

... Hank

http://horedson.home.att.net

504. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-24 21:49:38 UTC
From: vhfradiobuff@aol.com
Message-ID: <5e5fccab.0202241349.10263514@posting.google.com>
Source record: 6878

"lak" <lak@radio.land.com> wrote in message news:<a5ahiqlil1@news.chatlink.com>...
> After a quick look at the site, he is in the Army most likely with a
> Communication or Intel Unit. I would lean toward being in an Intel Unit as
> his list of duty posts include Ft. Campbell (home of the 82nd Airborne),
> Ft. Belvoir (Home of Enginnering school) and Korea (the last bastion of real
> communist activity is the Far East right now). He Lives (or use to live on
> base) on base at Ft. Monmouth and doesnt want to transmit his LAT/LON in
> fear of targeting information being provided to the enemies of the U.S. Army
> or compromising his security clearence. He hails from New England area most
> likely Rhode Island and is of Anglo-Saxon or Cletic heritage best guess
> would from Wales or western UK judging from the last name and facial
> structure from what can be seen in the picture.
>
> As casual observer I gleaned all this intellligence from his web site or at
> least this is the image project by that data.

Just some clairifications - Ft Monmouth really isn't much of an Army post anymore, with it's roughly 100 or so active duty soldiers there, not including the National Guard infantry unit temporarily actived. It's more like federal installation with large civilian employee population and tenant activities. There's only a small MI detachment there and no, I'm not in the Army. Ft Campbell is home to the 101st Airborn Division (Air Assault), not the 82nd and Ft Belvoir hasn't been home to the Engineers in a couple of decades. I've never lived on post and I don't hail from New England, although my father's side of the family is from Mass. Just to clairify, I do work for the federal government, but in a position in which I would prefer not to have my actual QTH published. WA8ULX is just a delusional, wrinkled old man with no life, no family and no friends and is just jealous of young, handsome young men with more than he will ever achieve in the short period of time that he has left in this world.

505. Re: MURSlink packet experimentation on ARS frequencies

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-24 22:33:50 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0202242232060.25473-100000@exp.bde-arc.ampr.org>
Source record: 6879

On 24 Feb 2002, stewart wrote:
>From what I can tell, there were only two folks complaining about the
>MURS thread about MURSlink Internet-backboned packet experimentation.
>
>With only one last person left complaining specifically against
>Internet-backboned systems - perhaps there is hope yet to improve on
>AX.25 in the Amateur Service. To appease those(Stussy) who felt that
>the original thread about packet experimentation specifically on MURS
>was not relevant to this group, it is best that the name of the thread
>be changed to MURSlink packet experimentation on ARS frequencies.

A change in name does not make for a change in topic. Anything to do with MURS is inappropriate for an amateur radio group. By citing the above reason, the only thing you have done is proven to the rest of us (to the extent that we didn't already konw) what an idiot you really are.

>It turns out that MURSlink will work equally well on ARS frequencies;
>so the specific discussion of MURS is irrelavant.
>
>One area where MURSlink is designed to optimize thruput vs. AX.25, is
>in regards to routing protocol and station identification. MURSlink
>uses a time-slot allocation scheme that supports up to three
>simultaneous "users" from each Internet-backboned "access point"(AP).
>As routing is no longer handled at the RF-layer, the incessant
>transfer of "to" and "from" ID fields can be eliminated. But, the
>FCC Part 97 regulations still require that an Amateur station ID
>itself at least once every 10 minutes, and at the end of every
>communication. Let's look at an example of how station
>identification would work with MURSlink. The two main services
>provided by MURSlink are e-mail transfers, and position location
>reporting. For example, when sending e-mail, users request access to
>the network by transmitting an E-mail Transmission Request(ETReq)
>message, which provides the size of the e-mail to be sent(currently
>proposed limit is 8Kb). The ETReq message includes a station
>identification field, which could be an Amateur Radio Service
>callsign. No other explicit station identification will be made thru
>the protocaol during the ensuing transfer - however, station
>identification will be implied by the time slot allocations made by
>the AP. In any event, by limiting the size of the transfer, the 10
>minute identification requirement can be met explicitly. To help meet
>the ARS requirement to provide station identification at the end of
>any communication, the user must include his or her callsign as the
>very last piece of text in the transmitted e-mail. At fist glance, it
>might appear that this last requirement should not be actually
>necessary, as the station identification can be implied by the time

>slot. However, for a station monitoring the transfer, who wishes to
>identify the user station, but who began monitoring the communication
>during the middle of transfer, he would need to have this ID present
>to determine the sender.
>

506. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-24 22:52:58 UTC
From: wa8ulx@aol.com
Message-ID: <20020224175258.09704.00000611@mb-md.aol.com>
Source record: 6880

>Just to clairify, I do work for the federal
>government, but in a position in which I would prefer not to have my

Oh I see a Postal Worker

> and is just jealous of young,
>handsome young men with more than he will ever achieve in the short
>period of time that he has left in this world.
>

"Young and handsome" just from the look of your picture on your WEB Page, that sure leaves you ought.

You could never achieve what I have in 3 Life Times, you Pathetic CBPlusser

507. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-24 22:56:36 UTC
From: wa8ulx@aol.com
Message-ID: <20020224175636.09692.00000606@mb-md.aol.com>
Source record: 6881

PS:

I could probably Buy and Sell you for what you think your worth, and still get back change from Penny.

508. Re: MURSlink packet experimentation on ARS frequencies

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-24 23:24:25 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <JCee8.12058$lm1.810933@bgtnsc05-news.ops.worldnet.att.net>
Source record: 6882

"D. Stussy" <kd6lvw@bde-arc.ampr.org> wrote in message
news:Pine.LNX.4.44.0202242232060.25473-100000@exp.bde-arc.ampr.org...
> On 24 Feb 2002, stewart wrote:
> >From what I can tell, there were only two folks complaining about the
> >MURS thread about MURSlink Internet-backboned packet experimentation.
> >
> >With only one last person left complaining specifically against
> >Internet-backboned systems - perhaps there is hope yet to improve on
> >AX.25 in the Amateur Service. To appease those(Stussy) who felt that
> >the original thread about packet experimentation specifically on MURS
> >was not relevant to this group, it is best that the name of the thread
> >be changed to MURSlink packet experimentation on ARS frequencies.
>
> A change in name does not make for a change in topic. Anything to do with
MURS
> is inappropriate for an amateur radio group. By citing the above reason, the
> only thing you have done is proven to the rest of us (to the extent that we
> didn't already konw) what an idiot you really are.

Poor guy is just trying to promote his business.

If it has some relation to Amateur Radio, this is a reasonable
group to get some discussion going. It's still SPAM, but at
least would have some relation to this newsgroup.

Let's see if he provides answers to any of my questions.

--

... Hank

http://horedson.home.att.net

509. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-25 00:45:00 UTC
From: Clint Black <cb@enron.com>
Message-ID: <gOfe8.8241$jC3.284687@news1.east.cox.net>
Source record: 6883

Pathetic. Go iron your Klan uniform.

"WA8ULX" <wa8ulx@aol.com> wrote
>
> You could never achieve what I have in 3 Life Times, you Pathetic
CBPlusser

510. Re: MURSlink packet experimentation on ARS frequencies

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-25 00:50:33 UTC
From: Clint Black <cb@enron.com>
Message-ID: <tTfe8.8265$jC3.285145@news1.east.cox.net>
Source record: 6884

"Hank Oredson" <horedson@att.net> wrote
>
> Let's see if he provides answers to any of my questions.

Yea, then you can complain for another three months.
Don't you get tired of whining all the time?

Do you have anything to contribute to this newsgroup, or
do you just wait to whine on everyone else's postings?

Please stop whining.

511. Re: MURSlink packet experimentation on ARS frequencies

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-25 02:10:21 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <h2he8.5937$FE4.366463@bgtnsc04-news.ops.worldnet.att.net>
Source record: 6885

"Clint Black" <cb@enron.com> wrote in message
news:tTfe8.8265$jC3.285145@news1.east.cox.net...
> "Hank Oredson" <horedson@att.net> wrote
> >
> > Let's see if he provides answers to any of my questions.
>
> Yea, then you can complain for another three months.
> Don't you get tired of whining all the time?

Um ... isn't that exactly what you are doing?
Can you answer any of the questions?
No?
Imagine my surprise!

> Do you have anything to contribute to this newsgroup, or
> do you just wait to whine on everyone else's postings?

I asked for some discussion. Care to try?

> Please stop whining.

Bugger off. (That's not a whine, it's advice).

--

... Hank

http://horedson.home.att.net

512. Modem for Tekk KS-1000 radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-25 03:18:31 UTC
From: ldh3@cornell.edu
Message-ID: <a5cae7$bo1$1@news01.cit.cornell.edu>
Source record: 6886

I'm looking at the Tekk KS-1000 radio for the onboard end of a satellite system. Obviously, this package needs an external modem before it's a complete system. Anyone have any recommendations and/or with a very small modem design, or even one we might be able to simply purchase for use with this radio? Weight and power draw are of course critical, so the smaller the better.

Additionally, any hints, tips or tricks with the KS-1000, 900 series etc would also be greatly appreciated.

Thanks, Mike

513. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-25 04:46:37 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020224234637.10828.00000528@mb-mu.aol.com>
Source record: 6887

>What a sad excuse for an Amateur Radio Operator. Just despicable.

Unfortunatly there's no personality test for a ham license. He probably spends
much of his operating time on 160 meters with the other grouchy old men.
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Toms River, NJ USA! Grid FM29ww
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

514. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-25 04:49:26 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020224234926.10828.00000529@mb-mu.aol.com>
Source record: 6888

>Oh I see a Postal Worker
>

Bzzzzzzz... first strike.

> "Young and handsome" just from the look of your picture on your WEB Page,
>that
>sure leaves you ought.
>

It doesn't leave me ought. It doesn't even leave me out.

> You could never achieve what I have in 3 Life Times, you Pathetic CBPlusser

You're right, I may never get to go to 160 meters and cry about the failure of
ham radio since I choose not to upgrade.
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Toms River, NJ USA! Grid FM29ww
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

515. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-25 04:50:13 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020224235013.10828.00000530@mb-mu.aol.com>
Source record: 6889

>PS:
>
> I could probably Buy and Sell you for what you think your worth, and still
>get
>back change from Penny.

I'm sorry, can you say again? There's too much QRM in your signal. You are 3x1.
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Toms River, NJ USA! Grid FM29ww
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

516. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-25 05:14:26 UTC
From: wa8ulx@aol.com
Message-ID: <20020225001426.21361.00000755@mb-ch.aol.com>
Source record: 6891

> I choose not to upgrade.
>=-
>73! de Andy KC2SSB (ex:

Yea right, you choose not to upgrade because you dont have the Mental Capacity to upgrade, you will just wait till the License is given away in a Ceral Box.

517. Anyone use an AEA PK-88 TNC?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-25 05:14:39 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020225001439.10828.00000538@mb-mu.aol.com>
Source record: 6890

Anyone here use an AEA PK-88 TNC? Any opinions on it?
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Toms River, NJ USA! Grid FM29ww
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

518. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-25 05:28:30 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020225002830.10844.00000373@mb-mu.aol.com>
Source record: 6892

> Yea right, you choose not to upgrade because you dont have the Mental
>Capacity
>to upgrade, you will just wait till the License is given away in a Ceral Box.
>

That would be real nice if they just gave away the licenses, but they don't, so I choose not to upgrade. What do I get if I do? To enjoy the new frequencies, I'd have to buy an HF rig, antenna, tuner, etc... find the space to put the antenna on the roof, and the end result would be talking to stations in far off lands that I'll never meet or know. Oh, forgot - I could talk to a bunch of grouchy old men on 160 meters.

On the flip side, with 6m on up, I talk to a lot of the locals, whom I get to know via the radio. I am also expanding (as evidenced in the original message of mine) into Packet, which is another aspect that I can get into with my current privilages.

So tell me, what does "upgrading" (if you want to call it "up"grading) have to offer me?
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Toms River, NJ USA! Grid FM29ww
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

519. Re: MURSlink packet experimentation on ARS frequencies

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-25 09:31:22 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <2lrj7ugvnka1apn6k77lvvv7t10v9l6sjv@4ax.com>
Source record: 6893

On 24 Feb 2002 10:26:16 -0800, horseshoe7@yahoo.com (stewart) wrote:

>With only one last person left complaining specifically against
>Internet-backboned systems - perhaps there is hope yet to improve on
>AX.25 in the Amateur Service. To appease those(Stussy) who felt that
>the original thread about packet experimentation specifically on MURS
>was not relevant to this group, it is best that the name of the thread
>be changed to MURSlink packet experimentation on ARS frequencies.

I don't see how this MURS discussion is relevant to this newsgroup, unless the devices are easily converted to 2m and we are just waiting for some big MURS manufacturer or retailer to go bankrupt or withdraw from the market and dump a lot surplus equipment to the market or waiting for the current MURS users to sell their system for a low price.

>One area where MURSlink is designed to optimize thruput vs. AX.25, is
>in regards to routing protocol and station identification. MURSlink
>uses a time-slot allocation scheme that supports up to three
>simultaneous "users" from each Internet-backboned "access point"(AP).
>As routing is no longer handled at the RF-layer, the incessant
>transfer of "to" and "from" ID fields can be eliminated. But, the
>FCC Part 97 regulations still require that an Amateur station ID
>itself at least once every 10 minutes, and at the end of every
>communication. Let's look at an example of how station
>identification would work with MURSlink.

Without a protocol specification, this sounds just like any vapourware "product".

I have nothing against replacing the X.25 derived CSMA protocol (AX.25) with something more sensible radio protocol, but a proprietary or vapourware specification does not help a lot.

Paul OH3LWR

520. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-25 11:51:49 UTC
From: Clint Black <cb@enron.com>
Message-ID: <pzpe8.8495$jC3.320647@news1.east.cox.net>
Source record: 6894

"VHFRadioBuff" vhfradiobuff@aol.com wrote
>
> So tell me, what does "upgrading" (if you want to call it
> "up"grading) have to offer me?

The whole "upgrade" thing was a disaster brought on
by the ARRL. If anything, Ham radio needs one level.
You are either a Ham, or you are not. Seeing that most
people do not understand electricity today, I would have
a high voltage endorsement. We do that sorta, by having
the HF license. But rather than just test for electricity
knowledge that can kill you and your neighbors, we
throw in Morse Code.

Morse Code is a lot of fun to someone my age, because
it was used widely. It makes no sense today, as the only
people who use Morse Code today, are intel agencies
of various governments, to send 5 letter code groups.

Most clubs have multiple levels of membership. It's
supposed to keep the interest up. That is, no one want to
remain a first degree, they want to be a high-order
illuminati. Well Ham Radio's illuminati is a this supposed
"magical" thing called Morse Code. There just wasn't
anything else available. Today, the club would have
ASCII as the discriminator, I'm sure. You have to remember
that people who were kids in the 50's and 60's were from
a different era. They would pee all over themselves to get
an 11 tube TV, instead of a 10 tube. I remember my dad
peeing all over himself when they made washing machines
for home use. I also remember blacks riding in the back
of the bus, and making them use the outhouse instead of
indoor plumbing. It was a very sad time in our history, but
people like ULX really liked putting the sheet on and going
to the Klub meetings.

521. Re: Anyone use an AEA PK-88 TNC?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-25 11:53:33 UTC
From: Clint Black <cb@enron.com>
Message-ID: <1Bpe8.8496$jC3.320738@news1.east.cox.net>
Source record: 6895

AEA is out of business. Buy a nice KPC-3 or KAM.

"VHFRadioBuff" <vhfradiobuff@aol.comspamsux> wrote
> Anyone here use an AEA PK-88 TNC? Any opinions on it?

522. Re: MURSlink packet experimentation on ARS frequencies

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-25 11:56:17 UTC
From: Clint Black <cb@enron.com>
Message-ID: <BDpe8.8497$jC3.320523@news1.east.cox.net>
Source record: 6896

Talking to yourself?

"Hank Oredson" <horedson@att.net> wrote
>
> Can you answer any of the questions?
> No?
> Imagine my surprise!

523. ACARS questions ok here ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-25 14:47:57 UTC
From: "R. Scott" <kf7qz@yahoo.com>
Message-ID: <3C7A4E9D.D5565D6E@yahoo.com>
Source record: 6897

Im having trouble with WACARS crashing my computer (PIII 1gig with Win 98SE). Im using PWC and it works ok (although it just displays raw data, no mapping)

Thanks

Rick KF7QZ

524. Re: pactor w/ old radios?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-25 18:41:00 UTC
From: David E Allen <davea@mse13.cos.agilent.com>
Message-ID: <1014662460.530093@goodnews.cos.agilent.com>
Source record: 6898

I have gotten pactor working on my Drake 2-B (and SB-401 tx).

Here's the scoop, for anyone curious.

The schematic showed a 2M pot and 680k resistor from the agc (avc) line to ground to bleed off the agc "charge". The pot is labeled "bias adj" on the schematic and "receiver sensitivity" on the rear panel where it is located. Turning that from midway to zero sped up the agc considerably (as well as boosting the s readings, not that that matters much).

I also hooked up my old homebrew rtty demod which has mark and space filters and connections for a monitor scope. I consider this a necessity for working pactor with separate tx and rx. The freq adjustments are just too touchy, and the older tx and rx drift more than the new digital tcvrs (I'm sure). This is espcially true for connecting to the bulletin boards. I'm using a freq counter to get the tx in the right place, but using the kam display to get the receiver in the right place is not accurate enough (I don't think).

Anyway, thanks for the hint to look at the agc and see if the "fast" agc could be made faster!!!

dave allen, wb0taq, colorado springs

525. Re: MURSlink packet experimentation on ARS frequencies

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-25 19:48:07 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <Xxwe8.14170$lm1.946175@bgtnsc05-news.ops.worldnet.att.net>
Source record: 6899

"Clint Black" <cb@enron.com> babbled in message
news:BDpe8.8497$jC3.320523@news1.east.cox.net...

> "Hank Oredson" <horedson@att.net> wrote

I asked for some discussion. Care to try?

Go ahead Clint ... talk about MUSRLink ... is it really just slotted Aloha?

--

... Hank

http://horedson.home.att.net

526. Re: MURSlink packet experimentation on ARS frequencies

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-25 20:08:57 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0202251208.2a1cb5a2@posting.google.com>
Source record: 6900

> I don't see how this MURS discussion is relevant to this newsgroup,
> unless the devices are easily converted to 2m and we are just waiting
> for some big MURS manufacturer or retailer to go bankrupt or withdraw
> from the market and dump a lot surplus equipment to the market or
> waiting for the current MURS users to sell their system for a low
> price.

MURSlink is simply a protocol - designed for slower speed(<19.2Kbps)
RF links; such as MURS or ARS 2m.

> Without a protocol specification, this sounds just like any vapourware
> "product".

I prefer "in development" to "vaporware".

> I have nothing against replacing the X.25 derived CSMA protocol
> (AX.25) with something more sensible radio protocol, but a proprietary
> or vapourware specification does not help a lot.

MURSlink will NOT be proprietary. MURSlink can be run over any
KISS-mode TNC or SoundCard - but for PDA applications, it will work
better thru a PubCel MURSnode :)

Stewart - N0MHS

527. Re: MURSlink packet experimentation on ARS frequencies

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-25 20:17:51 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <PZwe8.14206$lm1.949273@bgtnsc05-news.ops.worldnet.att.net>
Source record: 6751

"stewart" <horseshoe7@yahoo.com> wrote in message
news:5f4fe4c2.0202251208.2a1cb5a2@posting.google.com...
> > I don't see how this MURS discussion is relevant to this newsgroup,
> > unless the devices are easily converted to 2m and we are just waiting
> > for some big MURS manufacturer or retailer to go bankrupt or withdraw
> > from the market and dump a lot surplus equipment to the market or
> > waiting for the current MURS users to sell their system for a low
> > price.
>
> MURSlink is simply a protocol - designed for slower speed(<19.2Kbps)
> RF links; such as MURS or ARS 2m.
>
> > Without a protocol specification, this sounds just like any vapourware
> > "product".
>
> I prefer "in development" to "vaporware".
>
> > I have nothing against replacing the X.25 derived CSMA protocol
> > (AX.25) with something more sensible radio protocol, but a proprietary
> > or vapourware specification does not help a lot.
>
> MURSlink will NOT be proprietary. MURSlink can be run over any
> KISS-mode TNC or SoundCard - but for PDA applications, it will work
> better thru a PubCel MURSnode :)

Why?

Where is the spec?

I keep asking, so we can have an actual technical discussion.

How does MURSLink work?
- In a previous post you talk about slotted Aloha, but don't use that term.
- Why?

Does it use some protocol other than AX.25?
Does it use HDLC?
- Ok, it uses HDLC at layer 1.

What does it provide at layers 3 and 4?
Is there a broadcast protocol?

How is station identification handled?
- You mentioned some ideas about how it might be handled.
- By noticing which slot is used.
- What did the FCC say about that?

Is there an existing STA for this protocol?
Would it be a good protocol for weak signals?
Would it be a good protocol for HF?

Can existing TNCs be retrofitted?
- Will use KISS and existing TNCs.
- Thus it uses HDLC at layer 1.

Is there a software implementation a la Baycom?
What are the requirements for the radios?
What speed do these requirements imply?

Try and get this back on topic: tell us about the radio part.

Why is this "better" than what was done in Vancouver / Montreal prior to 1984?

--

... Hank

http://horedson.home.att.net

528. Re: MURSlink packet experimentation on ARS frequencies

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-25 23:33:15 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0202251533.5436fcc0@posting.google.com>
Source record: 6752

"Hank Oredson" <horedson@att.net> wrote in message
news:<Xxwe8.14170$Im1.946175@bgtnsc05-news.ops.worldnet.att.net>...
> "Clint Black" <cb@enron.com> babbled in message
> news:BDpe8.8497$jC3.320523@news1.east.cox.net...
>
> > "Hank Oredson" <horedson@att.net> wrote
>
> I asked for some discussion. Care to try?
>
> Go ahead Clint ... talk about MUSRLink ... is it really just slotted Aloha?

A "Portable Application Specific", "Dynamic Slot Assigning",
"Internet-Backboned Routing", "Long Slot Dwell" derivation of Slotted
Aloha is a better description.

529. Re: Anyone use an AEA PK-88 TNC?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-25 23:47:29 UTC
From: Rick Ruhl <ricker@cssincorp.com>
Message-ID: <9_ze8.4257$hK4.1487808@e420r-atl1.usenetserver.com>
Source record: 6753

AEA went bankrupt, but Timewave still supports the PK series of TNCs
including the PK-88. Timewave bought the AEA TNC line back in 1998.

http://www.timewave.com

Rick - W4PC

"Clint Black" <cb@enron.com> wrote in message
news:1Bpe8.8496$jC3.320738@news1.east.cox.net...
> AEA is out of business. Buy a nice KPC-3 or KAM.
>
> "VHFRadioBuff" <vhfradiobuff@aol.comspamsux> wrote
> > Anyone here use an AEA PK-88 TNC? Any opinions on it?
>
>
>

530. Re: MURSlink packet experimentation on ARS frequencies

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-25 23:56:50 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <6bAe8.8347$FE4.511780@bgtnsc04-news.ops.worldnet.att.net>
Source record: 6754

"stewart" <horseshoe7@yahoo.com> wrote in message
news:5f4fe4c2.0202251533.5436fcc0@posting.google.com...
> "Hank Oredson" <horedson@att.net> wrote in message
news:<Xxwe8.14170$Im1.946175@bgtnsc05-news.ops.worldnet.att.net>...
> > "Clint Black" <cb@enron.com> babbled in message
> > news:BDpe8.8497$jC3.320523@news1.east.cox.net...
> >
> > > "Hank Oredson" <horedson@att.net> wrote
> >
> > I asked for some discussion. Care to try?
> >
> > Go ahead Clint ... talk about MUSRLink ... is it really just slotted Aloha?
>
> A "Portable Application Specific", "Dynamic Slot Assigning",
> "Internet-Backboned Routing", "Long Slot Dwell" derivation of Slotted
> Aloha is a better description.

Technobabble.

Here are the questions again, in case you would care to answer
them with some useful information. Perhaps the other poster
was correct: you have some vaporware and are trying to see
if you can create a business with it. From what I've seen so far,
that seem to be the case. How does it apply to Ham Radio?
In particular, what has the FCC said about the protocol?

> MURSlink will NOT be proprietary. MURSlink can be run over any

Note the keywords: "will NOT be".
That is very different from "is not".
Then note: "can be run".
That implies something exists already.
Care to tell us about it?

> KISS-mode TNC or SoundCard - but for PDA applications, it will work
> better thru a PubCel MURSnode :)

Why?

Where is the spec?

I keep asking, so we can have an actual technical discussion.

How does MURSLink work?
- In a previous post you talk about slotted Aloha, but don't use that term.
- Why?

Does it use some protocol other than AX.25?
Does it use HDLC?
- Ok, it uses HDLC at layer 1.

What does it provide at layers 3 and 4?
Is there a broadcast protocol?

How is station identification handled?
- You mentioned some ideas about how it might be handled.
- By noticing which slot is used.
- What did the FCC say about that?

Is there an existing STA for this protocol?
Would it be a good protocol for weak signals?
Would it be a good protocol for HF?

Can existing TNCs be retrofitted?
- Will use KISS and existing TNCs.
- Thus it uses HDLC at layer 1.

Is there a software implementation a la Baycom?
What are the requirements for the radios?
What speed do these requirements imply?

Try and get this back on topic: tell us about the radio part.

Why is this "better" than what was done in Vancouver / Montreal prior to 1984?

--

... Hank

http://horedson.home.att.net

531. HF Gateway

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-26 02:42:15 UTC
From: Salvia <Salvia99@iname.com>
Message-ID: <obtl7u4isedck79cbpcnrmmfjmtoh0lvb3@4ax.com>
Source record: 6755

Are there any HF Gateways for gathering email from the internet? What do the maritime mobiles use? I am going on an extended trip into the backwoods for 3 months. This would really help me. What are the protocols?

Bill AK5A

532. Re: HF Gateway

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-26 02:46:38 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <iGCe8.14877$lm1.1001435@bgtnsc05-news.ops.worldnet.att.net>
Source record: 6756

Do a google search on WinLink2000.

--

... Hank

http://horedson.home.att.net

"Salvia" <Salvia99@iname.com> wrote in message
news:obtl7u4isedck79cbpcnrmmfjmtoh0lvb3@4ax.com...
> Are there any HF Gateways for gathering email from the internet? What
> do the maritime mobiles use? I am going on an extended trip into the
> backwoods for 3 months. This would really help me. What are the
> protocols?
>
> Bill AK5A

533. ? PicoPacket Circuit Diagram

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-26 11:30:57 UTC
From: Sven Pape <s.pape@tu-bs.de>
Message-ID: <3C7B71F1.2863EB90@tu-bs.de>
Source record: 6757

Hello,
I`m seraching for a circuit diagram for the PicoPacket TNC.
Thanks in advance

Sven, DL5ABB

534. Hamtext Docs

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-26 14:20:40 UTC
From: AB2HR <ab2hr@arrl.net>
Message-ID: <g06n7us2cd34s8mk8onds3eajepkeg2nsa@4ax.com>
Source record: 6758

Hey all... Have a copy of the above mentioned software, which I got with a Kantronics Interface at a flea market. The software works fine, but there's no documentation. Can anyone assist or direct me to a site where I can download the docs for Hamtext?

Also would like to test drive other Kantronics Interface compatable programs for the C-64/C-128 platform, including, but not limited to, Hamsoft/Amtor, Amtorsoft and Supertap.

In the documentation for the Interface unit I bought, it mentioned that the software is sold in cartridge form for the C-64. Strangely enough, the copy of Hamtext that I have is on a diskette. Would prefer software versions over firmware/cartridgeware versions of the programs..

Any assistance granted would be GREATLY appreciated. This is my first foray into the realm of digital HF communications (other than manual CW), hopefully I'll be moving into PSK31 soon...

Raymond Sirois AB2HR
SysOp: The Lost Chord BBS
607-733-5745
telnet:\\thelostchord.dns2go.com:6000

535. Re: PK88 Question

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-26 17:00:39 UTC
From: jdouglas@timewave.com
Message-ID: <3c7bbe7a.3942858@news.mcleodusa.net>
Source record: 6759

On Fri, 22 Feb 2002 13:01:02 GMT, J. Duffy Beischel
<duffyb01@fuse.net> wrote:

>A ham just gave me a PK88 but I did not get any documentation. Can anyone please tell me the pin assignments on
>the front panel connector so that I can build a cable for the TNC?
>
>Thanks,
>
>Duffy
>
>
>____
>J. Duffy Beischel - Amateur Radio WB8NUT
>
>Member of: ARRL, NRA, Kiwanis, Republican Party, Masons, and Shriners
>and the vast Right Wing conspiracy to get the Clintons
>
>"If the government owned all the guns, would we still be a free people?"
>____
>
>

Hello Duffy,

Pin 1 Ground
Pin 2 Tx Audio
Pin3 PTT
Pin 8 RX Audio

73

John NOISL
Timewave Technology

536. Re: MURSlink packet experimentation on ARS frequencies

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-26 19:29:57 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0202261129.3373f2c9@posting.google.com>
Source record: 6760

```
"Hank Oredson" <horedson@att.net> wrote in message
news:<PZwe8.14206$Im1.949273@bgtnsc05-news.ops.worldnet.att.net>...
> "stewart" <horseshoe7@yahoo.com> wrote in message
> news:5f4fe4c2.0202251208.2a1cb5a2@posting.google.com...
> > > I don't see how this MURS discussion is relevant to this newsgroup,
> > > unless the devices are easily converted to 2m and we are just waiting
> > > for some big MURS manufacturer or retailer to go bankrupt or withdraw
> > > from the market and dump a lot surplus equipment to the market or
> > > waiting for the current MURS users to sell their system for a low
> > > price.
> >
> > MURSlink is simply a protocol - designed for slower speed(<19.2Kbps)
> > RF links; such as MURS or ARS 2m.
> >
> > > Without a protocol specification, this sounds just like any vapourware
> > > "product".
> >
> > I prefer "in development" to "vaporware".
> >
> > > I have nothing against replacing the X.25 derived CSMA protocol
> > > (AX.25) with something more sensible radio protocol, but a proprietary
> > > or vapourware specification does not help a lot.
> >
> > MURSlink will NOT be proprietary. MURSlink can be run over any
> > KISS-mode TNC or SoundCard - but for PDA applications, it will work
> > better thru a PubCel MURSnode :)
>
> Why?
>
> Where is the spec?
>
> I keep asking, so we can have an actual technical discussion.
>
> How does MURSLink work?
> - In a previous post you talk about slotted Aloha, but don't use that term.
> - Why?

I fashioned the time-slotting mechanism from ideas garnared from
working with JTIDS... someone else pointed out to me that it was like
Slotted Aloha... I looked at the Slotted Aloha design afterwards, and
agreed... but - it was not derived from Slotted Aloha... JTIDS, maybe,
but only in the most loosest sense.

> Does it use some protocol other than AX.25?
```

Doesn't use AX.25 at all.

> Does it use HDLC?
> - Ok, it uses HDLC at layer 1.
>
> What does it provide at layers 3 and 4?

Layering is for the birds... it is what it is... you can try to
pigeon-hole it if you want.

> Is there a broadcast protocol?

Not per se, the Access Points "broadcast" time slot allocations at
fixed intervals, and users are expected not to interfere during these
time periods.

> How is station identification handled?
> - You mentioned some ideas about how it might be handled.
> - By noticing which slot is used.
> - What did the FCC say about that?

It meets the rules, so the FCC can't say jack.

> Is there an existing STA for this protocol?

Doesn't need to be - because it won't be an autoforwarding system, in
the old sense.

> Would it be a good protocol for weak signals?

The are no design considerations for this - other than the fact that
error correcting and inteleaving will be experimented with to
determine their usefulness, based on real-world situations.

> Would it be a good protocol for HF?

No.

> Can existing TNCs be retrofitted?

If they run KISS, they are golden.

> - Will use KISS and existing TNCs.

Yes.

> - Thus it uses HDLC at layer 1.

Nothing wrong with that.

>Is there a software implementation a la Baycom?

I suppose you could say that.

> What are the requirements for the radios?

Look at Part 97.

> What speed do these requirements imply?

Optimized for 1200bps to 19200bps with up to 3 users per channel.

> Try and get this back on topic: tell us about the radio part.

There is nothing to tell.

> Why is this "better" than what was done in Vancouver / Montreal prior to 1984?

Because the applications have changed since 1984... and because we
have the Internet now... and because computers are about 10,000 times
faster now... and because we now have GPS position reporting... and
because handhelds can replace TNC CPU functionality... and because we
have Cable Modem's and DSL... the world is TOTALLY different... the
only thing that has stayed the same is Shannon.

537. ANewsline 1280 - Feb 22 2002

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-26 21:18:23 UTC
From: radionews@aol.com
Message-ID: <20020226161823.07498.00000577@mb-ce.aol.com>
Source record: 6761

Amateur Radio Newsline Report 1280 – February 22, 2002

Amateur Radio Newsline report number 1280 with a release date of Friday, February 22nd, 2002 to follow in 5-4-3-2-1.

The following is a Q-S-T.

Ultra-wideband is here and the fight to keep high power unlicensed devices off of 70 centimeters escalates. These stories are first on Amateur Radio Newsline report number 1280 coming your way right now.

(Billboard Cart Here)

**

SPECTRUM ALLOCATIONS: FCC APPROVES ULTRAWIDEBAND

The nation's communications regulators have approved limited use of a new technology that is actually capable of seeing through walls, finding disaster victims and even preventing car crashes. Known as ultra-wideband, is a new method of wireless transmission is being promoted as a potential solution to the squeeze on the nation's airwaves created by the explosion of mobile phone, pager and other wireless device usage. We have more in this report:

--

Ultra-wideband devices will for now operate only in 960 MHz and in the 1.99 to 10.6 GHz bands. In theory, at least, you should never even know that they are there. This is because proponents of ultra-wideband claim that interference to other spectrum users is virtually non-existent -- based on the ultra short duration and pulsed nature of the transmissions. And the Federal Communications Commission agreed when it voted unanimously about a week ago to allow the technology to be used on a limited unlicensed basis.

The FCC proceeded cautiously out of uncertainty whether ultra-wideband could coexist with other strategic services. In other words, it wanted to be certain that it would not cause harmful interference to military communications, cellular telephones and the Global Positioning System. So it only provided ultra-wideband access to a small portion of R-F real estate. None-the-less, the real-life implications of the limits of the FCC decision are far reaching.

Up to now the military has been the only ultra-wideband user. This FCC action will allow for wireless communications and accurate readings of location and distance that have a wide range of civilian applications. For the general public this includes wireless, high-speed transmissions over short distances. Possibly as a way of sending video from a camcorder to a television set or data from a personal digital assistant to a laptop computer. The technology might also include sensor systems in cars to alert a driver to movement near the

vehicle. This could prevent collisions and promote smart air bag deployment.

Otherwise, the FCC has limited use of ultra-wideband technology to public safety. Only police and fire officials, scientific researchers, mining and construction companies will be permitted the use of so-called ground-penetrating radar devices. These would only be permitted to radiate straight down with little or no signal leakage in any other direction. The FCC notes that this system could help rescuers find victims in rubble following a disaster or locate ruptured underground pipelines without digging up entire neighborhoods.

The FCC severely limited distribution of ultra-wideband devices that can see through walls and detect motion within certain areas. Only law enforcement and firefighters will be permitted to have them. In other words, you won't soon be buying a home camcorder that can peer through your wall and into your next door neighbor's apartment. And you probably never will.

Right now the introduction of ultra-wideband will have very little impact on ham radio due to the limited spectrum being allocated to it. But it's use could be expanded in the future if it's proved not to interfere with existing military and public service communications.

For the Amateur Radio Newsline, I'm Robert Sudock, WB6FDF, in Los Angeles.

--

If ultra-wideband is successful it could eventually open up a whole new world of communications for ham radio. For starters, think in terms of so-called smart software defined radios. Radio’s that are so smart that you tell it who you want to talk to and it calls you when that person is ready to hold a QSO.

More on this emerging technology in future Amateur Radio Newsline reports. (FCC and other published reports)

**

SPECTRUM SHARING: SAVI TECHNOLOGY VS. HAM RADIO

The fight to keep radio ID tags off the 70 centimeter ham band is entering the home stretch. This is because the FCC has set March 1st as the deadline for reply comments on RM-10051.

RM-10051 is the Rule Making designation given to a request from SAVI Technologies, Inc. As previously reported, SAVI has petitioned the FCC for it to be allowed to develop and market a family of Part 15 devices designed to operate on the amateur 70 centimeter band. These Radio Frequency Identification Tag devices would operate at a power level far higher than similar devices now marketed and that’s where the real problem with the proposal lies.

Ham radio educator Gordon West WB6NOA, is an expert in weak signal operations. West says that it will mean problems for weak signal and satellite operators:

--
WB6NOA: “I think that the presence of any strong; either continuous or intermittent signal near the weak signal portions of the [70 centimeter] band is going to dramatically cause interference to those of us that monitor for either weak signal beacons -- such as those heard on the West coast that come in from Hawaii -- or for those who operate weak signal SSB and CW satellite.”
--

West says that even some of the micro power Part 15 devices already sharing the 70 CM band are causing major problems:
--

WB6NOA: “Presently on the weak signal 70 centimeter band we are having to put up with low power, intermittent [home] weather stations. You know, those weather stations that you see advertised as transmitting in their data on 432 and 433 MHz. Even these weather stations when they transmit will cause the AGC in my receiver to pump and it takes two to three seconds before the AGC returns [to normal] before I can begin listening again for weak incoming beacons.

Those [transmitters] are just a few hundred milliwatts at about 300 to 500 feet away. You can imagine when these more powerful transmitters come on the air in the 70 centimeter portion of our Amateur Radio band.”
--

But exotic modes won’t be the only ones affected. There is more than ample reason to believe that FM repeaters, remote base and A-T-V operations could suffer as well. And with the reply comment deadline only a few days away Dick Isley, W9GIG, the Secretary of the National Frequency Coordinators Council says that an e-mail and fax campaign to congress may be the only way to get RM-10051 killed.

In an e-mail to the Amateur Radio Newsline and other Amateur Radio publications, Isley says that it is imperative that hams send electronic messages their elected federal representatives in opposition to RM-10051. Isley believes that if 10,000 or more hams respond to this call, the SAVI Technology proposal could become a political hot potato. Hopefully one that is so hot that the Commission drops it completely. (ARNewsline(tm))

**

SPECTRUM SHARING: THE ARRL VS. THE FCC ON SAVI TECHNOLOGY

As hams get ready to write e-mails to congress, the ARRL is following a different diplomacy. It is challenging the FCC’s authority in this matter saying that the agency 'cannot legally proceed with the rules proposed for unlicensed Radio Frequency Identification tags at 433 MHz. Jim Haynie, W5JBP, is the President of the American Radio Relay League:

--
W5JBP: “You have to go back and look at the Communications Act of 1934, as amended. What Congress said was that in equipment that puts out a signal at a certain level must be licensed. The FCC has said that they are going to make this a Part 15 device does not require a license.

Our [ARRL] argument is that they cannot do this by law. Congress would have to pass a law to allow them to make this powerful radiator a part 15 device. In other words, change the whole parameter of what Part 15 [devices] are."
--

Haynie says that the League has said it will 'do whatever it takes to keep the FCC from putting these Radio Frequency Identification tags in the 70 centimeter band. You can hear more from President Haynie by tuning in right now to the RAIN Report. It in streaming audio at www.rainreport.com and on the phone at 847-827-7246. (ARNewsline(tm), RAIN, ARRL)

**

Break 1

From the United States of America, We are the Amateur Radio Newsline, heard on bulletin stations around the world including the WA2UGO repeater serving Mt. Beacon N.Y.

(5 sec pause here)

**

PUBLIC SERVICE: HAM RADIO AT THE WINTER OLYMPICS

Ham radio was a major player at the 2002 Winter Olympics. Not competing in the games, but working in support of overall security. Amateur Radio Newsline's Norm Seeley, KI7UP, has more.

--

According to an ARRL bulletin, Amateur Radio volunteers assisted with security and were ready to provide back-up communication for the Winter Olympic games. According to Utah ARRL Section Manager Mel Parkes, AC7CP, a special public safety organization called the Utah Olympic Public Safety Command was created by the various local and national public safety organizations that provide the security necessary for the international event.

According to Parkes, Section Emergency Coordinator John Mabey, W7CWK, and Brent Thomas, AC7H, from the State of Utah Comprehensive Management Office began working on this effort over a year ago. Mabey, along with Davis County Emergency Coordinator Hall Blankenship, and several other hams headed up the effort to provide emergency backup communication for the Olympic Security Command. At its height the winter games the ham radio group numbered close to 200. These radio amateurs provided back-up communications with the ability to reach numerous Olympic venues 24 hours a day.

For the Amateur Radio Newsline, I'm Norm Seeley, KI7UP.

--

Parks had some nice words for the corps of Olympics communications volunteers. He said that the hard work and dedication by all these dedicated Amateur Radio Operators certainly contributed to a very successful and safe Winter Olympic Games. (ARRL)

**

ENFORCEMENT: DON’T PLAY MUSIC ON THE AIR

The FCC has told three hams that they have been caught allegedly playing music on the air. In letters to the trio, FCC Rules Enforcer Riley Hollingsworth says that such transmissions are contrary to the Commission's rules regarding the Amateur Radio Service:

--

Hollingsworth: “We warned Ronald Marshott, N2NGY of Berkely Heights New Jersey, Frank Grzych W1FU of Johnston Rhode Island, Martin J. Bellingeri, W2OT, of Saddle Brook New Jersey and Zack Elliott K2BLU Haworth New Jersey about playing music on the 75 meter band.”

--

According to Hollingsworth the transmissions took place on 3.832 MHz on the evening of November 27, 2001. (FCC, RAIN)

**

ENFORCEMENT: FCC VS. K1MAN – CONTINUED

The saga of the FCC versus K1MAN continues. This as the FCC issues yet another letter to the Belgrade Lakes Maine ham. Among other things, this time the FCC is warning not to put phone recorded calls on the air. Riley Hollingsworth, is Special Counsel for Amateur Radio Enforcement the regulatory agency:

--

Hollingsworth: “We sent a combination warning letter and explanatory letter to Glen Baxter, K1MAN, of Belgrade Lakes Maine concerning deliberate interference, lack of station control, sending felony complaint affidavits to those whom he perceives were interfering with him; tape recording telephone conversations without permission and broadcasting them.”

--

In its letter the agency warned that it is also important for K1MAN to understand that if these matters are not resolved, his ham licenses will not be routinely renewed the next time he applies. Instead Baxter’s licenses will be designated for hearing before an Administrative Law Judge. In such a proceeding, the FCC says that Baxter would have the burden of proof to show that his licenses should be renewed. (FCC, RAIN)

**

ENFORCEMENT: ILLEGAL CORDLESS PHONE SELLER FINED

Remember those high power cordless phones that we reported on a few months ago. The ones found operating in the 2 meter and 220 MHz Amateur bands? Well an alleged source of some of these illegal devices has been told it will have to pay a hefty fine for selling them here in the United States.

On October 23, 2001, the Commission issued a Notice of Apparent Liability for Forfeiture in the amount of $7,000 to Electronics Unlimited of Miami Florida. This, for allegedly marketing of a non-compliant high-power cordless telephone called the Alcon AT 526.

The company was afforded ample time to reply to the allegations. The FCC says that Electronics Unlimited never did file a response. Based on the information before it on February 15th the FCC affirmed the forfeiture order and gave Electronics Unlimited 30 days to pay. If the Electronics Unlimited fails to pay the forfeiture within the specified period of time the FCC says that the case may be referred to the Department of Justice for collection. (FCC)

**

FM AND REPEATERS: UNYREPCO NEW MID VALLEY NY REPEATER COORDINATOR

Repeater owners and operators of other F M and packet relay devices in Orange, Putnam, and Sullivan counties in York State have adopted the Upper New York Repeater Council, Inc. to provide frequency coordination services. This was an area originally represented by the long defunct North East Repeater Association that went belly-up in the early 1970's. It then used the services of the Tri State Amateur Repeater Council until that organization disbanded a few years ago. Since then the region has been on its own.

This process of the Upper New York Repeater Council adopting the region was completed following a review of the existing systems by the established and recognized adjacent region frequency coordination councils. The change became effective February 13th.
More information is on the available on the web www.unyrepco.org (UNYREPCO)

**

BREAK 2

Here when you need us 52 weeks a year. We are the Amateur Radio Newsline, with links to the world from our only official website at www.arnewsline.org.

(5 sec pause here)

**

EMERGING TECHNOLOGY: SURFING AT 39000 FEET

The Federal Communications Commission has granted Boeing a license to provide high-speed Internet service to airline passengers. Boeing said the FCC approval clears the way for its planned in-flight Internet service called Connexion. Connexion -- Spelled C-O-N-N-E-X-I-O-N -- will enable airlines and other commercial jet operators to offer real-time, high-speed Internet and intranet access, television and e-mail. This, while flying over United States territory and waters. (Boeing)

**

HAM RADIO IN SPACE: A TEACHERS GUIDE TO ARISS CONTACTS

Tony Hutchinson, VK5ZAI, says that he has updated his web site with a "Teachers Guide" for schools that have been selected to speak with the crew on the I-S-S. On his pages, Hutchinson provides what amounts to a final check list of things that must be done in the weeks prior to the contact taking place. Also posted is a list of the actual questions that students have asked in the past.

Tony Hutchinson is the Amateur Radio on the International Space Station Coordinator for all of Australia. To find his very interesting resource, take your web browser http://www.electric-web.org/teachers_guide.htm. (AMSAT-NA)

**

INTERNATIONAL - SOUTH AFRICA: SARL READIES FOR WRC 2003

The Independent Communications Authority of South Africa has invited the South Africa Radio League to participate in the preparatory work for the World Radio Conference in 2003. SARL President Hans Potgieter ZS6ALJ will be joining I-C-A-S-A sub-committee 4 which is tasked to develop South Africa's position on Maritime mobile, Amateur and Amateur Satellite, and broadcasting services in the Medium Frequency and High Frequency bands. A number of specific amateur related items are on the W-R-C agenda, including the realignment of amateur and broadcasting allocations around 7 MHz, and possible revisions to articles S-1, S-19 and S-25 of the international radio rules. (SARL, Q-News)

**

CONTESTS: VHF SPRING SPRINTS

Attention VHF and UHF contesters. K4AR has announced over the VHF Reflector that the VHF Spring Sprints will be held again in 2002. The Sprints are sponsored by the East Tennessee DX Association. The dates, official rules and lots of other information can be found at www.etdxa.org/vhf.htm (VHF Reflector)

**

DX

In DX, 9V1YC reports that the 2002 South Sandwich and South Georgia DXpedition is now officially over with all operators are back home safe and sound. 9V1YC says that the DX-pedition achieved all of its goals and made an astounding 70,428 QSO's using SSB, CW and RTTY. On-air time was 80 hours at VP8THU, and 7 days, 10 hours at VP8GEO. (RSGB)

And husband and wife K1CN and N1EBL are in the Bahamas and signing C6AMM and C6AWW from now until the 2nd of March. Operation is from Harbour Island, which counts as Islands on the Air number NA-001. (RSGB)

**

THAT FINAL ITEM: HAM RADIO SEARCH AND RESCUE

And finally this week, ham radio played a big role during a simulated emergency that takes place in a somewhat unusual setting and at an unusual time. From Birmingham, Alabama, Newsline's David Black, KB4KCH, reports:

--
Most emergency drills take place during the day, maybe in a parking lot or open field. But volunteers in Alabama put on their jackets and hiking gear and grabbed their flashlights for an exercise near Birmingham February 8th. The setting: Oak Mountain State Park, Alabama's largest park with 60-thousand acres and dozens of miles of trails. Members of the Vulcan Trail Association practice what they might have to do for real. James Pilman, KA4ZQA, is event coordinator:
--
PILMAN
BITE IN This is a search
OUT a couple more
--
Pilman assembles teams of experienced hikers teaming with amateur radio operators.
--
SOT1 IN Earl
OUT you're goin' out.
--
This search takes place at night. With temperatures in the 40s, three teams head out into the wilderness, maintaining a 2 meter contact with a Net Control at the park headquarters. Team members get a briefing on their missing person.
--
SOT2 IN There's a gentleman, he's about 28 years old
OUT at the marina
--
The sky is full of stars as teams walk up and down trails, looking for evidence of their target.
--
SOT4 IN We're starting out on the trail
OUT W4CUE
--
After about an hour and a half, one team finds its man and radios back in. The net closes, but only after each team arrives safely back at headquarters. Kenner Morrow is a naturalist with the Park:
--
BITE/KEENER IN The value is being able to coordinate
OUT there are any emergencies.
--
Ken Moore AB4WL, provided communications for one team. He calls it a rewarding experience.
--
BITE/MOORE IN Just bein' able to help
OUT participate and volunteer.
--
For Chuck Arthur, KF4SSX, tonight's exercise was his first search and rescue practice:
--
BITE/ARTHUR IN To me as an amateur
OUT into ham radio
--

In the past, these hikers and hams have helped search for missing adults and children during real emergencies, sometimes dealing with extreme cold and the hazards of rugged terrain at night. Tonight's drill went just about flawlessly. The people who took part in this event know they might get called again for real -- this night in the cold wilderness has helped them to be a little better prepared.

From Oak Mountain State Park, Alabama, I’m David Black , KB4KCH, for The Amateur Radio Newsline.

--

David says that the trail group usually holds two lost hiker searches every year. (KB4KCH, ARNewsline(tm))

**

NEWSCAST CLOSE

With thanks to Alan Labs, Amateur News Weekly, AMSAT, the ARRL, the CGC Communicator, CQ Magazine, the FCC, the Ohio Penn DX Bulletin, Radio Netherlands, Rain, the RSGB and Australia's Q-News, that's all from the Amateur Radio Newsline(tm). More information on contacting us is available at our only official website located at www.arnewsline.org.

Before we go a reminder from the ARRL that the deadline for nominations for the Hiram Percy Maxim Award is March 31st. Nominees must be age 21 or younger and hold a valid Amateur Radio license. The winner will receive a $1000 check. Full details are on the web at www.arrl.org.

For now, with Bill Pasternak, WA6ITF, at the editors desk, I'm Don Wilbanks, KC5MFA, saying 73, and we thank you for listening." Amateur Radio Newsline(tm) is Copyright 2002. All rights reserved.

538. Re: MURSlink packet experimentation on ARS frequencies

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-26 21:26:59 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <lrtn7uoqlok2f4pmm7aulq2nuj2orucfbi@4ax.com>
Source record: 6762

On 26 Feb 2002 11:29:57 -0800, horseshoe7@yahoo.com (stewart) wrote:

>I fashioned the time-slotting mechanism from ideas garnared from
>working with JTIDS... someone else pointed out to me that it was like
>Slotted Aloha... I looked at the Slotted Aloha design afterwards, and
>agreed... but - it was not derived from Slotted Aloha... JTIDS, maybe,
>but only in the most loosest sense.

Since you have a central point of control (the AP), why don't you
simply run a master-slave protocol ?

>> Would it be a good protocol for weak signals?
>
>The are no design considerations for this - other than the fact that
>error correcting and inteleaving will be experimented with to
>determine their usefulness, based on real-world situations.

<clip>

>> - Thus it uses HDLC at layer 1.
>
>Nothing wrong with that.

And what happens when a single bit error form a sequence of 6 or more
consecutive "1"s (an illegal sequence) or creates a sequence with 5
"1"s, in which case the following "0" bit is discarded as bit
stuffing, thus upsetting the whole timing. With the timing out of
synch, how do you handle the interleaving and ECC ?

>> What are the requirements for the radios?
>
>Look at Part 97.
>
>> What speed do these requirements imply?
>
>Optimized for 1200bps to 19200bps with up to 3 users per channel.

What bandwidth is required ? Does the signal contain a DC component ?
Is equalisation required, is it implemented in the receiver only, how
is the training sequence handled ?

What happens if an AP can hear a station communicating with an other
AP on the same channel or an end user can hear two APs ? If call signs
are not transmitted in every frame, how do you determine if the
transmission is intended to your AP and not to the neighbour AP, but
it happens to be received in the correct time slot ?

Paul OH3LWR

539. Re: MURSlink packet experimentation on ARS frequencies

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-26 21:38:30 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <qfTe8.934$106.50780@bgtnsc05-news.ops.worldnet.att.net>
Source record: 6763

```
"stewart" <horseshoe7@yahoo.com> wrote in message
news:5f4fe4c2.0202261129.3373f2c9@posting.google.com...
> "Hank Oredson" <horedson@att.net> wrote in message
news:<PZwe8.14206$Im1.949273@bgtnsc05-news.ops.worldnet.att.net>...
> > "stewart" <horseshoe7@yahoo.com> wrote in message
> > news:5f4fe4c2.0202251208.2a1cb5a2@posting.google.com...
> > > > I don't see how this MURS discussion is relevant to this newsgroup,
> > > > unless the devices are easily converted to 2m and we are just waiting
> > > > for some big MURS manufacturer or retailer to go bankrupt or withdraw
> > > > from the market and dump a lot surplus equipment to the market or
> > > > waiting for the current MURS users to sell their system for a low
> > > > price.
> > >
> > > MURSlink is simply a protocol - designed for slower speed(<19.2Kbps)
> > > RF links; such as MURS or ARS 2m.
> > >
> > > > Without a protocol specification, this sounds just like any vapourware
> > > > "product".
> > >
> > > I prefer "in development" to "vaporware".
> > >
> > > > I have nothing against replacing the X.25 derived CSMA protocol
> > > > (AX.25) with something more sensible radio protocol, but a proprietary
> > > > or vapourware specification does not help a lot.
> > >
> > > MURSlink will NOT be proprietary. MURSlink can be run over any
> > > KISS-mode TNC or SoundCard - but for PDA applications, it will work
> > > better thru a PubCel MURSnode :)
> >
> > Why?
> >
> > Where is the spec?
> >
> > I keep asking, so we can have an actual technical discussion.
> >
> > How does MURSLink work?
> > - In a previous post you talk about slotted Aloha, but don't use that
term.
> > - Why?
>
> I fashioned the time-slotting mechanism from ideas garnared from
> working with JTIDS... someone else pointed out to me that it was like
> Slotted Aloha... I looked at the Slotted Aloha design afterwards, and
> agreed... but - it was not derived from Slotted Aloha... JTIDS, maybe,
```

> but only in the most loosest sense.

How does it work then?
Post some specifics.

> > Does it use some protocol other than AX.25?
>
> Doesn't use AX.25 at all.

What protocl does it use?

> > Does it use HDLC?
> > - Ok, it uses HDLC at layer 1.
> >
> > What does it provide at layers 3 and 4?
>
> Layering is for the birds... it is what it is... you can try to
> pigeon-hole it if you want.

Therefore there is no routing.

> > Is there a broadcast protocol?
>
> Not per se, the Access Points "broadcast" time slot allocations at
> fixed intervals, and users are expected not to interfere during these
> time periods.

How will they avoid interfering?
Tell us about the protocol.

> > How is station identification handled?
> > - You mentioned some ideas about how it might be handled.
> > - By noticing which slot is used.
> > - What did the FCC say about that?
>
> It meets the rules, so the FCC can't say jack.

You avoided my question again. The question was "How".

> > Is there an existing STA for this protocol?
>
> Doesn't need to be - because it won't be an autoforwarding system, in
> the old sense.

Will it transmit on Amateur frequencies?
Will it transmit data?
If so, it uses a protocol.
That protocol must be known to the FCC.
Have you filed the protocol specification with them yet?

> > Would it be a good protocol for weak signals?
>
> The are no design considerations for this - other than the fact that
> error correcting and inteleaving will be experimented with to

> determine their usefulness, based on real-world situations.

"... will be ..."
So there is no protocol at all yet?

> > Would it be a good protocol for HF?
>
> No.

Why.

> > Can existing TNCs be retrofitted?
>
> If they run KISS, they are golden.
> > - Will use KISS and existing TNCs.
>
> Yes.
>
> > - Thus it uses HDLC at layer 1.
>
> Nothing wrong with that.
>
> >Is there a software implementation a la Baycom?
>
> I suppose you could say that.

I didn't say that. Do you?

> > What are the requirements for the radios?
>
> Look at Part 97.

So it WILL work on HF!
Part 97 says HF can be used.

> > What speed do these requirements imply?
>
> Optimized for 1200bps to 19200bps with up to 3 users per channel.

Tell us about the channels.

> > Try and get this back on topic: tell us about the radio part.
>
> There is nothing to tell.

I think you meant to say "I have nothing developed yet."

> > Why is this "better" than what was done in Vancouver / Montreal prior to
1984?
>
> Because the applications have changed since 1984... and because we

We were talking networking, not applications. Try and stay on topic.

> have the Internet now... and because computers are about 10,000 times

We had the internet in 1984.

> faster now... and because we now have GPS position reporting... and

GPS position reporting is an application. Try and stay on topic.

> because handhelds can replace TNC CPU functionality... and because we

You said MURSLink uses TNCs.

> have Cable Modem's and DSL... the world is TOTALLY different... the
> only thing that has stayed the same is Shannon.

So MUSRLink is a scam to get people to buy MURS radios from you?

--

... Hank

http://horedson.home.att.net

540. Manual for KAM +

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-26 22:22:48 UTC
From: kbtgw <kbtgw@ws.quik.com>
Message-ID: <YUTe8.97$1V1.988@newsfeed.intelenet.net>
Source record: 6764

Hi name here is Les. I bought a Kam + last Sunday at a local Hamfest but it came with out a Manual. It works, I can receive and transmit but only because I found the pinout
designations on "the web" and had or made the cables necessary.

I would like a copy of the Manual if possible. I will pay for copying and mailing. I tried Kantronics and they do not have any ? !

Please let me know. E-mail : kbtgw@ws.quik.com
Phone : 516-295-0696

73 de Les, K2TGW

541. FA:PK 232 low reserve.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-26 23:40:38 UTC
From: "R.U. Amused?" <n6ttd@spamsuxarrl.net>
Message-ID: <W1Ve8.11149$bs1.225332@sccrnsc01>
Source record: 6765
Cross-posted to:
rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.amateur.misc,rec.radio.swap,rec.radio.amateur.digital.misc

Excellent shape, low reserve.

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1335819535

542. Re: MURSlink packet experimentation on ARS frequencies

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-27 01:28:08 UTC
From: Clint Black <cb@enron.com>
Message-ID: <ICWe8.15253$jC3.451501@news1.east.cox.net>
Source record: 6767

"Hank Oredson" <horedson@att.net> wrote
>
> So MUSRLink is a scam to get people to buy MURS radios from you?

oops. Technical discussion over. Boy that didn't take
very long. Are you having a cigarette now, or are you wiping
your penis off on the bedsheets?

543. Re: FA:PK 232 low reserve.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-27 01:30:09 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <BEWe8.1496$106.81623@bgtnsc05-news.ops.worldnet.att.net>
Source record: 6766
Cross-posted to:
rec.radio.amateur.equipment,rec.radio.amateur.swap,rec.radio.amateur.misc,rec.radio.swap,rec.radio.amateur.digital.misc

So what IS the reserve?
If it is low enough I would bid ...

--

... Hank

http://horedson.home.att.net

"R.U. Amused?" <n6ttd@spamsuxarrl.net> wrote in message
news:W1Ve8.11149$bs1.225332@sccrnsc01...
> Excellent shape, low reserve.
>
> http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1335819535
>
>

544. Re: MURSlink packet experimentation on ARS frequencies

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-27 03:18:13 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0202261918.283a5ff0@posting.google.com>
Source record: 6768

Paul Keinanen <keinanen@sci.fi> wrote in message
news:<lrtn7uoqlok2f4pmm7aulq2nuj2orucfbi@4ax.com>...
> On 26 Feb 2002 11:29:57 -0800, horseshoe7@yahoo.com (stewart) wrote:
>
>
> >I fashioned the time-slotting mechanism from ideas garnared from
> >working with JTIDS... someone else pointed out to me that it was like
> >Slotted Aloha... I looked at the Slotted Aloha design afterwards, and
> >agreed... but - it was not derived from Slotted Aloha... JTIDS, maybe,
> >but only in the most loosest sense.
>
> Since you have a central point of control (the AP), why don't you
> simply run a master-slave protocol ?

If you are implying some form of handshaking, then that would imply
too much overhead. The idea is to allow senders to have
reasonably(I'll go as far as to say optimally) sized transmission
windows to send their data - and to know when they can send, to avoid
collisions.

> >> Would it be a good protocol for weak signals?
> >
> >The are no design considerations for this - other than the fact that
> >error correcting and inteleaving will be experimented with to
> >determine their usefulness, based on real-world situations.

Also, I might add - dynamic adjustment of error-correcting code
overhead can be used for noisier links - so I suppose the answer is
yes, too a degree... although I'm referrring more to noisy links, more
than weak signal links.

This is where the fun will really start in optimizing the protocol.

>
> <clip>
>
> >> - Thus it uses HDLC at layer 1.
> >
> >Nothing wrong with that.
>
> And what happens when a single bit error form a sequence of 6 or more
> consecutive "1"s (an illegal sequence) or creates a sequence with 5
> "1"s, in which case the following "0" bit is discarded as bit
> stuffing, thus upsetting the whole timing. With the timing out of
> synch, how do you handle the interleaving and ECC ?

We were talking about HDLC support in the terms of KISS support on existing TNCs... MURSlink doesn't have to be limited to layering on top of KISS.

> >> What are the requirements for the radios?
> >
> >Look at Part 97.
> >
> >> What speed do these requirements imply?
> >
> >Optimized for 1200bps to 19200bps with up to 3 users per channel.
>
> What bandwidth is required ? Does the signal contain a DC component ?
> Is equalisation required, is it implemented in the receiver only, how
> is the training sequence handled ?

I'm not trying to redesign the Bell 202 Modem standard.

> What happens if an AP can hear a station communicating with an other
> AP on the same channel or an end user can hear two APs ?

Multiple frequencies can be used to seperate AP honeycomb cells... Four frequencies will provide large buffer areas.

> If call signs
> are not transmitted in every frame, how do you determine if the
> transmission is intended to your AP and not to the neighbour AP, but
> it happens to be received in the correct time slot ?

Like the cell phone network design, the idea is to avoid this situation like the plague... Remember; high-level/high-power APs are a no-no in the cellular concept... (this is where a MURS implementation helps - as everyone is limited to 2WERP... and hopefully is someone puts an AP on a mountaintop, it is in a remote area.)

545. Re: MURSlink packet experimentation on ARS frequencies

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-27 03:27:48 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0202261927.1f9bff2a@posting.google.com>
Source record: 6769

"Hank Oredson" <horedson@att.net> wrote in message news:<qfTe8.934

> So MUSRLink is a scam to get people to buy MURS radios from you?

While I won't rule out that I might try to sell a radio or two(or three); MURSlink won't help me much. I do intend to build a device called a PubNode(which includes a modem and a microController), for interfacing radios(MURS or Ham) to a portable device - but the price will be reasonable, and available in kit form.

If you are really concerned with folks trying to SCAM hams with digital snake oil, I suggest you concentrate your efforts on TAPR.

546. sale Kantronics 9612 ver8.2

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-27 04:14:41 UTC
From: David Ummel <d.ummel@verizon.net>
Message-ID: <R2Ze8.3131$G7.2348@nwrddc01.gnilink.net>
Source record: 6770

I have a 9612 in excelent shape here.
extremely low reserve in original box.
http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1335426920

547. Re: MURSlink packet experimentation on ARS frequencies

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-27 07:25:21 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <d91p7ug1e9f4k8rkicl58e80bp08h2ub5t@4ax.com>
Source record: 6771

On 26 Feb 2002 19:18:13 -0800, horseshoe7@yahoo.com (stewart) wrote:

>Paul Keinanen <keinanen@sci.fi> wrote in message
news:<lrtn7uoqlok2f4pmm7aulq2nuj2orucfbi@4ax.com>...

>> Since you have a central point of control (the AP), why don't you
>> simply run a master-slave protocol ?
>
>If you are implying some form of handshaking, then that would imply
>too much overhead. The idea is to allow senders to have
>reasonably(I'll go as far as to say optimally) sized transmission
>windows to send their data - and to know when they can send, to avoid
>collisions.

If you have fixed slots and only one out of three stations have
anything to transmit, then the actual capacity is only 1/3 of the
channel capacity. In a master-slave system you can poll stations that
have been inactive for along time only infrequently (not every scan
cycle) or you can include into the last acknowledge message to a
previous station a poll command to the next station (e.g. by using
broadcast frames), thus, not much extra overhead for polling.

>
>> >> Would it be a good protocol for weak signals?
>> >
>> >The are no design considerations for this - other than the fact that
>> >error correcting and inteleaving will be experimented with to
>> >determine their usefulness, based on real-world situations.
>
>Also, I might add - dynamic adjustment of error-correcting code
>overhead can be used for noisier links - so I suppose the answer is
>yes, too a degree... although I'm referrring more to noisy links, more
>than weak signal links.
>
>This is where the fun will really start in optimizing the protocol.

The worst thing in AX.25 packet (after CSMA) is the very weak
resistance to errors. A single bit error in a 2000 bit frame will
cause a retransmission, upsetting the performance very badly. Even in
a pure white Gaussian noise environment, quite high noise peaks can
and will occur quite frequently. Thus, a quite high SNR (and thus high
Tx powers) is needed to keep the BER in the order of 1E-4 to 1E-5 for
reasonable performance. In VHF, the noise is not white, but also
includes ignition peaks etc., requiring an even higher SNR.

If you are planning for a cellular network with frequent reuse of
frequencies, it is essential to keep the transmitter power down and
you must be able to work with low SNR and with the BER in the 1E-2 to
1E-3 region.

>> <clip>
>>
>> >> - Thus it uses HDLC at layer 1.
>> >
>> >Nothing wrong with that.
>>
>> And what happens when a single bit error form a sequence of 6 or more
>> consecutive "1"s (an illegal sequence) or creates a sequence with 5
>> "1"s, in which case the following "0" bit is discarded as bit
>> stuffing, thus upsetting the whole timing. With the timing out of
>> synch, how do you handle the interleaving and ECC ?
>
>We were talking about HDLC support in the terms of KISS support on
>existing TNCs... MURSlink doesn't have to be limited to layering on
>top of KISS.

If you want cell frequency reuse, you must work with low SNR. This is
important especially in areas where there are a lot of stations, i.e.
urban areas.

>> >> What are the requirements for the radios?
>> >
>> >Look at Part 97.
>> >
>> >> What speed do these requirements imply?
>> >
>> >Optimized for 1200bps to 19200bps with up to 3 users per channel.
>>
>> What bandwidth is required ? Does the signal contain a DC component ?
>> Is equalisation required, is it implemented in the receiver only, how
>> is the training sequence handled ?
>
>I'm not trying to redesign the Bell 202 Modem standard.

And you are expecting that 19200 will go through a Bell 202 modem ????

>> What happens if an AP can hear a station communicating with an other
>> AP on the same channel or an end user can hear two APs ?
>
>Multiple frequencies can be used to seperate AP honeycomb cells...
>Four frequencies will provide large buffer areas.
>
>> If call signs
>> are not transmitted in every frame, how do you determine if the
>> transmission is intended to your AP and not to the neighbour AP, but
>> it happens to be received in the correct time slot ?
>
>Like the cell phone network design, the idea is to avoid this

>situation like the plague... Remember; high-level/high-power APs are a
>no-no in the cellular concept... (this is where a MURS implementation
>helps - as everyone is limited to 2WERP... and hopefully is someone
>puts an AP on a mountaintop, it is in a remote area.)

If you only have three stations on each AP and only four frequencies, the system total capacity would be truly minimal, especially if such high powers as 2 Werp are used.

The essential thing in cellular network design is that you can control the transmission power in both direction so that the required SNR _and_nothing_more_ is obtained.

In the early 1980's we had here in the Nordic countries the NMT-450 analog cellular phone system with mobile and/or transportable phones. Despite 180 channels it became soon apparent that the cell size could not be reduced much less below 1 km along the main streets in larger cities, since the _minimum_ power setting of the phones was set too high in the specification. Thus, the NMT-900 network had to be started with a lower minimum power and more channels, quite a few years earlier than planned, to compensate for the lack of capacity along a few large streets in a few larger cities.

In order to be able to run a tight cellular network on ham bands, the other end of the link must be able to control your transmitter power. The minimum power setting from ham equipment vary very much from manufacturer to manufacturer and in many cases is also temperature dependent.

Thus only three stations on each AP is far too little, realistic figures would be 10 to 30 (from frequency reuse point of view), with most of them being inactive for a given time. How does the time slots work in this situation ?

Paul OH3LWR

548. Re: MURSlink packet experimentation on ARS frequencies

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-27 16:47:19 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <r48f8.3655$106.185965@bgtnsc05-news.ops.worldnet.att.net>
Source record: 6772

"stewart" <horseshoe7@yahoo.com> wrote in message
news:5f4fe4c2.0202261927.1f9bff2a@posting.google.com...
> "Hank Oredson" <horedson@att.net> wrote in message news:<qfTe8.934
>
> > So MUSRLink is a scam to get people to buy MURS radios from you?
>
> While I won't rule out that I might try to sell a radio or two(or
> three); MURSlink won't help me much. I do intend to build a device
> called a PubNode(which includes a modem and a microController), for
> interfacing radios(MURS or Ham) to a portable device - but the price
> will be reasonable, and available in kit form.
>
> If you are really concerned with folks trying to SCAM hams with
> digital snake oil, I suggest you concentrate your efforts on TAPR.

TAPR is not posting to this newsgroup.

--

... Hank

http://horedson.home.att.net

549. Re: sale Kantronics 9612 ver8.2

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-27 16:49:18 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <i68f8.3657$106.193245@bgtnsc05-news.ops.worldnet.att.net>
Source record: 6773

"David Ummel" <d.ummel@verizon.net> wrote in message
news:R2Ze8.3131$G7.2348@nwrddc01.gnilink.net...
> I have a 9612 in excelent shape here.
> extremely low reserve in original box.
> http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1335426920

What reserve?
Is it worth my time to click on the link?

--

... Hank

http://horedson.home.att.net

550. Re: Anyone use an AEA PK-88 TNC?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-27 19:10:44 UTC
From: Robert Miles <rmiles@zetnet.co.uk>
Message-ID: <uvaj5a.bhd.ln@192.168.1.1>
Source record: 6774

HF300Bd and VHF 1200Bd
Won't take std Netrom node chip.. needs special from Timewave..
Well built
Sproggy somewhere on 2m quite strong....

Regards
Bob
GM4CAQ

"VHFRadioBuff" <vhfradiobuff@aol.comspamsux> wrote in message
news:20020225001439.10828.00000538@mb-mu.aol.com...
> Anyone here use an AEA PK-88 TNC? Any opinions on it?
> =-
> 73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
> Toms River, NJ USA! Grid FM29ww
> http://vhfradiobuff.tripod.com
> http://edfas.tripod.com

551. Re: pactor w/ old radios?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-27 19:40:28 UTC
From: Robert Miles <rmiles@zetnet.co.uk>
Message-ID: <locj5a.5kd.ln@192.168.1.1>
Source record: 6779

I had a problem with my Icom 730.
Tx/RX changover speed too slow.. wasn't the AGC..
Solution.. bought a Kenwood TS50 .. works fine.
Bob
GM4CAQ

"David E Allen" <davea@mse13.cos.agilent.com> wrote in message
news:1014146136.966965@goodnews.cos.agilent.com...
> Hi, all.
> I just got a KAM+ to use on pactor, but it doesn't connect to distant
> stations. I can connect fine with a friend across town. I'm wondering if
> my AGC is too slow or something. I'm using a heath sb-401 transmitter and
> Drake 2-B receiver. The 2-B is set to fast agc (or course) but still I
> wonder if it's quick enough to "hear" the ack. I am getting an ack or
chirp
> back from the other station, so I know I'm "hitting" it. Just not hearing
> it right...
>
> Does anyone have any experience with the older radios. I'd hate to think
> that I have to buy a new digital radio just for pactor. - if that really
is
> the problem...
>
> Thanks and 73
> dave allen, wb0taq, colorado springs

552. Re: sale Kantronics 9612 ver8.2

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-27 19:55:05 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0202271953270.30554-100000@exp.bde-arc.ampr.org>
Source record: 6775

```
On Wed, 27 Feb 2002, Hank Oredson wrote:
>"David Ummel" <d.ummel@verizon.net> wrote in message
>news:R2Ze8.3131$G7.2348@nwrddc01.gnilink.net...
>> I have a 9612 in excelent shape here.
>> extremely low reserve in original box.
>> http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1335426920
>
>What reserve?
>Is it worth my time to click on the link?

Of course NOT. This is an auction, not a sale. If he can't even get that part
correctly stated, you must wonder what must be wrong with the unit.

The post, as stated, would be a violation of the charter for "rec.radio.sale"
since that requires auction notices to indicate "FA" or "Auction" in the
subject, let alone that he posted it to the wrong group.
```

553. Re: MURSlink packet experimentation on ARS frequencies

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-27 20:48:47 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0202271248.74335c43@posting.google.com>
Source record: 6776

Paul Keinanen <keinanen@sci.fi> wrote in message
news:<d91p7ug1e9f4k8rkicl58e80bp08h2ub5t@4ax.com>...
> On 26 Feb 2002 19:18:13 -0800, horseshoe7@yahoo.com (stewart) wrote:
>
> >Paul Keinanen <keinanen@sci.fi> wrote in message
news:<lrtn7uoqlok2f4pmm7aulq2nuj2orucfbi@4ax.com>...
>
> >> Since you have a central point of control (the AP), why don't you
> >> simply run a master-slave protocol ?
> >
> >If you are implying some form of handshaking, then that would imply
> >too much overhead. The idea is to allow senders to have
> >reasonably(I'll go as far as to say optimally) sized transmission
> >windows to send their data - and to know when they can send, to avoid
> >collisions.
>
> If you have fixed slots and only one out of three stations have
> anything to transmit, then the actual capacity is only 1/3 of the
> channel capacity.

I can see where you might imply that from the discussion so far... but
the idea would be that when a channel has only one user requesting
channel capacity, all three slots will be given to him. If a second
user requests channel capacity, the first user's capicity will drop to
two slots, and the new user will get one slot per epoch(and will get
all three when the first has finished his transfer).

> In a master-slave system you can poll stations that
> have been inactive for along time only infrequently (not every scan
> cycle) or you can include into the last acknowledge message to a
> previous station a poll command to the next station (e.g. by using
> broadcast frames), thus, not much extra overhead for polling.

With this system, the AP can handle channel management for all users
within his timeslot... no extra overhead(with the insidious
accompanying TxDelays) for talking to all the different users on the
channel.

>
> >
> >> >> Would it be a good protocol for weak signals?
> >> >
> >> >The are no design considerations for this - other than the fact that
> >> >error correcting and inteleaving will be experimented with to
> >> >determine their usefulness, based on real-world situations.

> >
> >Also, I might add - dynamic adjustment of error-correcting code
> >overhead can be used for noisier links - so I suppose the answer is
> >yes, too a degree... although I'm referrring more to noisy links, more
> >than weak signal links.
> >
> >This is where the fun will really start in optimizing the protocol.
>
> The worst thing in AX.25 packet (after CSMA) is the very weak
> resistance to errors. A single bit error in a 2000 bit frame will
> cause a retransmission, upsetting the performance very badly. Even in
> a pure white Gaussian noise environment, quite high noise peaks can
> and will occur quite frequently. Thus, a quite high SNR (and thus high
> Tx powers) is needed to keep the BER in the order of 1E-4 to 1E-5 for
> reasonable performance. In VHF, the noise is not white, but also
> includes ignition peaks etc., requiring an even higher SNR.
>
> If you are planning for a cellular network with frequent reuse of
> frequencies, it is essential to keep the transmitter power down and
> you must be able to work with low SNR and with the BER in the 1E-2 to
> 1E-3 region.

It will be a piece of cake to improve on AX.25's resistance to errors.

There will have to be a reasonable balance set between
error-resistance and error-resistance overhead... and I think the
results of actual field experimentation statistics should be the
guide.

> >> <clip>
> >>
> >> >> - Thus it uses HDLC at layer 1.
> >> >
> >> >Nothing wrong with that.
> >>
> >> And what happens when a single bit error form a sequence of 6 or more
> >> consecutive "1"s (an illegal sequence) or creates a sequence with 5
> >> "1"s, in which case the following "0" bit is discarded as bit
> >> stuffing, thus upsetting the whole timing. With the timing out of
> >> synch, how do you handle the interleaving and ECC ?
> >
> >We were talking about HDLC support in the terms of KISS support on
> >existing TNCs... MURSlink doesn't have to be limited to layering on
> >top of KISS.
>
> If you want cell frequency reuse, you must work with low SNR. This is
> important especially in areas where there are a lot of stations, i.e.
> urban areas.
>
> >> >> What are the requirements for the radios?
> >> >

> >> >Look at Part 97.
> >> >
> >> >> What speed do these requirements imply?
> >> >
> >> >Optimized for 1200bps to 19200bps with up to 3 users per channel.
> >>
> >> What bandwidth is required ? Does the signal contain a DC component ?
> >> Is equalisation required, is it implemented in the receiver only, how
> >> is the training sequence handled ?
> >
> >I'm not trying to redesign the Bell 202 Modem standard.
>
> And you are expecting that 19200 will go through a Bell 202 modem ????

Of course not. What I'm saying is that I'm not designing a modem.

> >> What happens if an AP can hear a station communicating with an other
> >> AP on the same channel or an end user can hear two APs ?
> >
> >Multiple frequencies can be used to seperate AP honeycomb cells...
> >Four frequencies will provide large buffer areas.
> >
> >> If call signs
> >> are not transmitted in every frame, how do you determine if the
> >> transmission is intended to your AP and not to the neighbour AP, but
> >> it happens to be received in the correct time slot ?
> >
> >Like the cell phone network design, the idea is to avoid this
> >situation like the plague... Remember; high-level/high-power APs are a
> >no-no in the cellular concept... (this is where a MURS implementation
> >helps - as everyone is limited to 2WERP... and hopefully is someone
> >puts an AP on a mountaintop, it is in a remote area.)
>
> If you only have three stations on each AP and only four frequencies,
> the system total capacity would be truly minimal, especially if such
> high powers as 2 Werp are used.

Three stations at a time can transfer data, but many users can be on
the channel - it is just that most of the time they won't be doing
anything(they will be reading their e-mails between transfers, etc)...
many more can be monitoring the position reporting data... we are
talking hundreds of possible users in an urban/suburban surrounding...
of course, if it gets TOO popular, we will have to petition the FCC
for more frequencies :^)

> The essential thing in cellular network design is that you can control
> the transmission power in both direction so that the required SNR
> _and_nothing_more_ is obtained.
>
> In the early 1980's we had here in the Nordic countries the NMT-450
> analog cellular phone system with mobile and/or transportable phones.

> Despite 180 channels it became soon apparent that the cell size could
> not be reduced much less below 1 km along the main streets in larger
> cities, since the _minimum_ power setting of the phones was set too
> high in the specification. Thus, the NMT-900 network had to be started
> with a lower minimum power and more channels, quite a few years
> earlier than planned, to compensate for the lack of capacity along a
> few large streets in a few larger cities.
>
> In order to be able to run a tight cellular network on ham bands, the
> other end of the link must be able to control your transmitter power.
> The minimum power setting from ham equipment vary very much from
> manufacturer to manufacturer and in many cases is also temperature
> dependent.
>
> Thus only three stations on each AP is far too little, realistic
> figures would be 10 to 30 (from frequency reuse point of view), with
> most of them being inactive for a given time. How does the time slots
> work in this situation ?

I'm looking at more users than that... because many will be just getting position reports(a la APRS), and many will be sitting idle(reading/composing) their e-mail.

I think you are trying to be more ambitious than I am. I'm looking at what is optimally acheivable given today's off-the-shelf technology and plug-and-play radios, with the most useful applications(small to moderate size e-mails, and position reporting). I'm trying to be a realist... too many times I've seen hams go down the path of trying to shoot for the moon... and ending up with nothing.

To summarize: MURSlink is designed to optimize things for the most useful portable applications(e-mail and position reporting), using existing inexpensive off-the-shelf two-way radio technology.

The key to this approach is that MURS radio prices will need to drop to about the same price as FRS radios... so far, we haven't been seeing this happen... but MURS is still in its infancy, and all signs point to an increase in consumer awareness and manufacturer commitments to MURS.

The way I see things happening is that initially, only ham-types will be interested in MURSlink - especially in the field experimentation stage, where they can help set the protocol design parameters. But, once MURS begins to "go consumer", and things start to expand among the Wal-Mart crowd on the MURS frequencies... only then will the general ham population become interested in MURSlink.

The important thing is to have a viable protocol available in time for the MURS consumer explosion - otherwise digital users will lose out on "staking their claims" to the unused MURS frequencies.

554. Re: sale Kantronics 9612 ver8.2

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-27 21:18:37 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <N2cf8.3984$106.217794@bgtnsc05-news.ops.worldnet.att.net>
Source record: 6777

"D. Stussy" <kd6lvw@bde-arc.ampr.org> wrote in message
news:Pine.LNX.4.44.0202271953270.30554-100000@exp.bde-arc.ampr.org...
> On Wed, 27 Feb 2002, Hank Oredson wrote:
> >"David Ummel" <d.ummel@verizon.net> wrote in message
> >news:R2Ze8.3131$G7.2348@nwrddc01.gnilink.net...
> >> I have a 9612 in excelent shape here.
> >> extremely low reserve in original box.
> >> http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1335426920
> >
> >What reserve?
> >Is it worth my time to click on the link?
>
> Of course NOT. This is an auction, not a sale. If he can't even get that
part
> correctly stated, you must wonder what must be wrong with the unit.
>
> The post, as stated, would be a violation of the charter for "rec.radio.sale"
> since that requires auction notices to indicate "FA" or "Auction" in the
> subject, let alone that he posted it to the wrong group.

Not to mention the fact that the current bid is $78 (reserve not met) :-)
I'd buy it for $75 or less, but won't even bother to put in a bid with an
unknown reserve. Looks like it is probably a 9612+ though, and that
would be worth more than $78. Doesn't say what firmware either,
another issue.

So just a suggestion David: say which firmware and which
exact model of the 9612 ... you might attract more interest.

Of course I already saw it in my morning check of eBay ...

--

... Hank

http://horedson.home.att.net

555. The MURSLink Challange.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-27 21:37:54 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <Skcf8.3998$106.220415@bgtnsc05-news.ops.worldnet.att.net>
Source record: 6778

I scrounged up a computer, have it on my workbench in the next
room, connected to the internet. It's running Windows 98, but can
just as well run Red Hat or FreeBSD or whatever. Pentium 200,
6 GB disk drive, AWE64 sound card, two serial ports, parallel port.
Have two more similar machines sitting on the shelf, if I need more
than one computer to do the tests.

Also scrounged up two 2M radios (mobiles, but can come up with
HTs if required), and two TNCs (one MFJ-1270B, one Tasco uTNC21
which is a TNC2 clone). Also have feedline, antennas, power supplies.

Also have a pair of TEKK KS-900s available, along with antennas
and feedline for testing on 70 cm at 9600 baud or above. Have a spare
Data Engine with 9600/19200 modems, and a spare KPC-9612.

All of the above has been tested and is working.
I have some spare time.

So I'd like to try out MURSLink, running the above gear into
dummy loads, or into actual antennas if MURSLink is in fact
allowed to run on the Ham bands.

Where do I download the software?

If there is no software, I'm a reasonably good programmer
(40 years experience) and can write my own. In this case,
where to I download the specification(s)?

I'm ready to give it a try and see if it lives up to the hype.

I mentioned the concept to a bunch of folks I regularly chat
with on HF, and there was a fair amount of interest.

Several are retired Hams within VHF range that have the gear and time
available.
Another is 2000 miles from here, and is interested in testing it on HF
(ten meters where we can run 1200 baud). She has several Macs
but no PCs, will that be a problem?

--

... Hank

http://horedson.home.att.net

556. Re: sale Kantronics 9612 ver8.2

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-27 22:28:55 UTC
From: David Ummel <dummel@encinajpa.com>
Message-ID: <H4df8.5406$G7.1159@nwrddc01.gnilink.net>
Source record: 6780

yep its a plus, and the version is in the subject line.
Boy, you are an angry bunch.

"Hank Oredson" <horedson@att.net> wrote in message
news:N2cf8.3984$106.217794@bgtnsc05-news.ops.worldnet.att.net...
>
> "D. Stussy" <kd6lvw@bde-arc.ampr.org> wrote in message
> news:Pine.LNX.4.44.0202271953270.30554-100000@exp.bde-arc.ampr.org...
> > On Wed, 27 Feb 2002, Hank Oredson wrote:
> > >"David Ummel" <d.ummel@verizon.net> wrote in message
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> part
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"rec.radio.sale"
> > since that requires auction notices to indicate "FA" or "Auction" in the
> > subject, let alone that he posted it to the wrong group.
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> Not to mention the fact that the current bid is $78 (reserve not met)
:-)
> I'd buy it for $75 or less, but won't even bother to put in a bid with an
> unknown reserve. Looks like it is probably a 9612+ though, and that
> would be worth more than $78. Doesn't say what firmware either,
> another issue.
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> So just a suggestion David: say which firmware and which
> exact model of the 9612 ... you might attract more interest.
>
> Of course I already saw it in my morning check of eBay ...
>
> --
>
> ... Hank
>

> http://horedson.home.att.net
>
>
>

557. speaker feed

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-27 22:42:52 UTC
From: jclind@sentex.net
Message-ID: <dG80d04f0oVk-pn2-Mv7VWSrsWd7Q@localhost>
Source record: 6781

From the looks of the posts in this newsgroup, this looks like a good
place to ask this question.

I have aTS-440sat and am feeding the external speaker o/p to my sound
card so I can do psk31. I would like to be able to feed the audio to
my pk232 so I can use it for pactor and other modes as well. How can I
do this and feed a speaker as well without overloading my audio driver
on the 440?
thanks

John,ve3sjv
--

558. Re: sale Kantronics 9612 ver8.2

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-27 22:45:48 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <wkdf8.4067$106.228786@bgtnsc05-news.ops.worldnet.att.net>
Source record: 6782

Hardly "angry" ... we just figure that folks who post
here should follow the rules ... and if they really really
feel they need to break those rules, then they should
not misrepresent an "auction" as a "sale".

So we give 'em a hard time.

What IS the reserve, by the way?

--

... Hank

http://horedson.home.att.net

"David Ummel" <dummel@encinajpa.com> wrote in message
news:H4df8.5406$G7.1159@nwrddc01.gnilink.net...
> yep its a plus, and the version is in the subject line.
> Boy, you are an angry bunch.
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> "Hank Oredson" <horedson@att.net> wrote in message
> news:N2cf8.3984$106.217794@bgtnsc05-news.ops.worldnet.att.net...
> >
> > "D. Stussy" <kd6lvw@bde-arc.ampr.org> wrote in message
> > news:Pine.LNX.4.44.0202271953270.30554-100000@exp.bde-arc.ampr.org...
> > > On Wed, 27 Feb 2002, Hank Oredson wrote:
> > > >"David Ummel" <d.ummel@verizon.net> wrote in message
> > > >news:R2Ze8.3131$G7.2348@nwrddc01.gnilink.net...
> > > >> I have a 9612 in excelent shape here.
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> > > >> http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1335426920
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> > > >What reserve?
> > > >Is it worth my time to click on the link?
> > >
> > > Of course NOT. This is an auction, not a sale. If he can't even get
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> > > part
> > > correctly stated, you must wonder what must be wrong with the unit.
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> > > The post, as stated, would be a violation of the charter for
> "rec.radio.sale"
> > > since that requires auction notices to indicate "FA" or "Auction" in the
> > > subject, let alone that he posted it to the wrong group.
> >
> > Not to mention the fact that the current bid is $78 (reserve not met)

> :-)
> > I'd buy it for $75 or less, but won't even bother to put in a bid with an
> > unknown reserve. Looks like it is probably a 9612+ though, and that
> > would be worth more than $78. Doesn't say what firmware either,
> > another issue.
> >
> > So just a suggestion David: say which firmware and which
> > exact model of the 9612 ... you might attract more interest.
> >
> > Of course I already saw it in my morning check of eBay ...
> >
> > --
> >
> > ... Hank
> >
> > http://horedson.home.att.net
> >
> >
> >
>
>

559. Re: Modem for Tekk KS-1000 radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-28 09:40:29 UTC
From: Cathryn Mataga <cathryn@junglevision.com>
Message-ID: <3C7DFB0D.8030405@junglevision.com>
Source record: 6783

Laurence Hammer wrote:
> I'm looking at the Tekk KS-1000 radio for the onboard end of a satellite
> system. Obviously, this package needs an external modem before it's a complete
> system. Anyone have any recommendations and/or with a very small modem design,
> or even one we might be able to simply purchase for use with this radio?
> Weight and power draw are of course critical, so the smaller the better.
>
> Additionally, any hints, tips or tricks with the KS-1000, 900 series etc would
> also be greatly appreciated.

Wow, this sounds like an interesting project. You desiging a satellite, huh?
Is there a chance this would actually get launched?
Just wondering, have you decided what kind of computer to put on there yet? There are tiny modems for 9600 baud packet, but they are a bit of the CPU hogs -- from what I've seen.

(Hi guys, I've been away programming constantly since like November of last year. Just shipped off final code a few days back.)

560. toshiba and ritty

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-28 10:52:21 UTC
From: Simo <simo@raa.to>
Message-ID: <a5l23n$md8$1@newsreader.mailgate.org>
Source record: 6784

Is it possible to run ritty or bitty in toshiba satellite pro 480cdt with a
yamaha opl3-sa3 soundcard?
I have try and try, but no, it transmits ok, but doesn't receive nothing...

aarrg.

561. Re: sale Kantronics 9612 ver8.2

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-28 13:17:10 UTC
From: Clint Black <cb@enron.com>
Message-ID: <q5qf8.20425$jC3.563837@news1.east.cox.net>
Source record: 6785

This group is their whole life.

"David Ummel" <dummel@encinajpa.com> wrote
>
> yep its a plus, and the version is in the subject line.
> Boy, you are an angry bunch.

562. Re: The MURSLink Challange.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-28 18:26:41 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0202281026.49fcd779@posting.google.com>
Source record: 6786

"Hank Oredson" <horedson@att.net> wrote in message
news:<Skcf8.3998$106.220415@bgtnsc05-news.ops.worldnet.att.net>...
> I scrounged up a computer, have it on my workbench in the next
> room, connected to the internet. It's running Windows 98, but can
> just as well run Red Hat or FreeBSD or whatever. Pentium 200,
> 6 GB disk drive, AWE64 sound card, two serial ports, parallel port.
> Have two more similar machines sitting on the shelf, if I need more
> than one computer to do the tests.
>
> Also scrounged up two 2M radios (mobiles, but can come up with
> HTs if required), and two TNCs (one MFJ-1270B, one Tasco uTNC21
> which is a TNC2 clone). Also have feedline, antennas, power supplies.
>
> Also have a pair of TEKK KS-900s available, along with antennas
> and feedline for testing on 70 cm at 9600 baud or above. Have a spare
> Data Engine with 9600/19200 modems, and a spare KPC-9612.

This is equivalent to my ham equipment repository. I've also got a 36
ft. tower/antenna, and a couple of moderm narrow-band commercial VHF
radios

I've have a mailbox set up, and am doing AX.25 beaconing on MURS on
151.940Mhz.

> All of the above has been tested and is working.
> I have some spare time.

This is something I don't have a lot of... I'm a Systems Engineer by
day, and am working on this in my off hours... which amounts to a
second full-time job.

> So I'd like to try out MURSLink, running the above gear into
> dummy loads, or into actual antennas if MURSLink is in fact
> allowed to run on the Ham bands.
>
> Where do I download the software?
>
> If there is no software, I'm a reasonably good programmer
> (40 years experience) and can write my own. In this case,
> where to I download the specification(s)?

Are you at all interested in C# or .NET? This is my development
environment for both the AP and PDA-based software.

> I'm ready to give it a try and see if it lives up to the hype.
>

> I mentioned the concept to a bunch of folks I regularly chat
> with on HF, and there was a fair amount of interest.
>
> Several are retired Hams within VHF range that have the gear and time
> available.
> Another is 2000 miles from here, and is interested in testing it on HF
> (ten meters where we can run 1200 baud). She has several Macs
> but no PCs, will that be a problem?

I'm designing for .NET-based targets, with a single development environment for both the PDA and AP software (Visual Studio.NET or Visual C#.NET is preferred). While free command-line versions are available from Microsoft, the Visual environments are vastly superior, for a number of reasons(debug support, Wireless development environments, etc.). Linux and Palm environments were considered, but have been ruled out for various reasons. I have not looked at the Macintosh enviroment at all.

I'm currently concentrating on the map-based portion of the software(which is used for position-reporting, but will also provide a snazzy user interface background for both the AP and PDA-based applications) . The proposed baseline standards are CADRG and GeoTIFF. Here are links where specifications for these standards can be downloaded:

http://164.214.2.59/publications/specs/printed/CADRG/cadrg.html

http://remotesensing.org/geotiff/spec/geotiffhome.html

563. Re: toshiba and ritty

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-28 18:42:16 UTC
From: Ralph Mowery <rmowery@dialpoint.net>
Message-ID: <3C7E7A08.CBFC6B3D@dialpoint.net>
Source record: 6787

I am not familar with those programs. Go here and download MMTTY and
see if it will run . It is a free sound card program.

http://www.muenster.de/%7Ewelp/sb.htm

I have ran this one on several computers with poor sound cards and it
works very well. It does have a monitor screen so that you can see the
audio coming in. Do have this in the above programs and can you see
anything on it. That will tell yo that you are getting audio into the
program. You may not have the aduio in for the sound card emabled. Is
anything at all printing on the screen ? Even just leters that do not
make sense ? Not sure how you have it set but you do need to have the
ssb receiver in the correct mode, usb or lsb depending on if the
softwear is set for normal or reverse and the baud rate should be about
45.45 or 60 WPM and 170 hz shift for most ham transmissions. You should
be able to here the bullitens of W1AW on the scheduled times that are
posted at arrl.com. This will show you what the RTTY should sound like.

If you have not tried RTTY before it can be confusing on how to set up
the program so it will work for you and to correctly tune in the signal.

Simo wrote:
>
> Is it possible to run ritty or bitty in toshiba satellite pro 480cdt with a
> yamaha opl3-sa3 soundcard?
> I have try and try, but no, it transmits ok, but doesn't receive nothing...
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564. Re: The MURSLink Challange.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-28 19:46:13 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <9Ovf8.4580$gK2.363112@bgtnsc04-news.ops.worldnet.att.net>
Source record: 6788

Perhaps I was not very clear.

I'm not interested in the applications until I have seen the protocol
in action and working. i.e. the underlying stuff that is supposed
to be better than AX.25.

Have many different application development environments
available, including C++/C#/.NET (Visual Studio), Borland 4,
Linux, several DOS based (Aztec, old Borland, old Microsoft).

But first the basic stuff: one TNC talking to another.
If that's AX.25 ... then there isn't anything of interest to me.
"Been there, done that."

--

... Hank

http://horedson.home.att.net

"stewart" <horseshoe7@yahoo.com> wrote in message
news:5f4fe4c2.0202281026.49fcd779@posting.google.com...
> "Hank Oredson" <horedson@att.net> wrote in message
news:<Skcf8.3998$106.220415@bgtnsc05-news.ops.worldnet.att.net>...
> > I scrounged up a computer, have it on my workbench in the next
> > room, connected to the internet. It's running Windows 98, but can
> > just as well run Red Hat or FreeBSD or whatever. Pentium 200,
> > 6 GB disk drive, AWE64 sound card, two serial ports, parallel port.
> > Have two more similar machines sitting on the shelf, if I need more
> > than one computer to do the tests.
> >
> > Also scrounged up two 2M radios (mobiles, but can come up with
> > HTs if required), and two TNCs (one MFJ-1270B, one Tasco uTNC21
> > which is a TNC2 clone). Also have feedline, antennas, power supplies.
> >
> > Also have a pair of TEKK KS-900s available, along with antennas
> > and feedline for testing on 70 cm at 9600 baud or above. Have a spare
> > Data Engine with 9600/19200 modems, and a spare KPC-9612.
>
> This is equivalent to my ham equipment repository. I've also got a 36
> ft. tower/antenna, and a couple of moderm narrow-band commercial VHF
> radios
>
> I've have a mailbox set up, and am doing AX.25 beaconing on MURS on
> 151.940Mhz.
>

> > All of the above has been tested and is working.
> > I have some spare time.
>
> This is something I don't have a lot of... I'm a Systems Engineer by
> day, and am working on this in my off hours... which amounts to a
> second full-time job.
>
> > So I'd like to try out MURSLink, running the above gear into
> > dummy loads, or into actual antennas if MURSLink is in fact
> > allowed to run on the Ham bands.
> >
> > Where do I download the software?
> >
> > If there is no software, I'm a reasonably good programmer
> > (40 years experience) and can write my own. In this case,
> > where to I download the specification(s)?
>
> Are you at all interested in C# or .NET? This is my development
> environment for both the AP and PDA-based software.
>
> > I'm ready to give it a try and see if it lives up to the hype.
> >
> > I mentioned the concept to a bunch of folks I regularly chat
> > with on HF, and there was a fair amount of interest.
> >
> > Several are retired Hams within VHF range that have the gear and time
> > available.
> > Another is 2000 miles from here, and is interested in testing it on HF
> > (ten meters where we can run 1200 baud). She has several Macs
> > but no PCs, will that be a problem?
>
> I'm designing for .NET-based targets, with a single development
> environment for both the PDA and AP software (Visual Studio.NET or
> Visual C#.NET is preferred). While free command-line versions are
> available from Microsoft, the Visual environments are vastly superior,
> for a number of reasons(debug support, Wireless development
> environments, etc.). Linux and Palm environments were considered, but
> have been ruled out for various reasons. I have not looked at the
> Macintosh enviroment at all.
>
> I'm currently concentrating on the map-based portion of the
> software(which is used for position-reporting, but will also provide a
> snazzy user interface background for both the AP and PDA-based
> applications) . The proposed baseline standards are CADRG and
> GeoTIFF. Here are links where specifications for these standards can
> be downloaded:
>
> http://164.214.2.59/publications/specs/printed/CADRG/cadrg.html
>
> http://remotesensing.org/geotiff/spec/geotiffhome.html

565. Re: The MURSLink Challange.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-28 20:57:11 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0202282053580.32289-100000@exp.bde-arc.ampr.org>
Source record: 6789

On 28 Feb 2002, stewart wrote:
>"Hank Oredson" <horedson@att.net> wrote in message
news:<Skcf8.3998$106.220415@bgtnsc05-news.ops.worldnet.att.net>...
>> I scrounged up a computer, have it on my workbench in the next
>> room, connected to the internet. It's running Windows 98, but can
>> just as well run Red Hat or FreeBSD or whatever. Pentium 200,
>> 6 GB disk drive, AWE64 sound card, two serial ports, parallel port.
>> Have two more similar machines sitting on the shelf, if I need more
>> than one computer to do the tests.
>>
>> Also scrounged up two 2M radios (mobiles, but can come up with
>> HTs if required), and two TNCs (one MFJ-1270B, one Tasco uTNC21
>> which is a TNC2 clone). Also have feedline, antennas, power supplies.
>>
>> Also have a pair of TEKK KS-900s available, along with antennas
>> and feedline for testing on 70 cm at 9600 baud or above. Have a spare
>> Data Engine with 9600/19200 modems, and a spare KPC-9612.
>
>This is equivalent to my ham equipment repository. I've also got a 36
>ft. tower/antenna, and a couple of moderm narrow-band commercial VHF
>radios
>
>I've have a mailbox set up, and am doing AX.25 beaconing on MURS on
>151.940Mhz.

Let's see: He's spamming us with "MURSLink" and now he admits he's using
AX.25, not MURSLink, on his MURS allocation.....

I have to give him credit for this one: He's proven that he's more than the
idiot we concluded here that he was.... He's an idiot AND a hypocrite.

>> All of the above has been tested and is working.
>> I have some spare time.
>
>This is something I don't have a lot of... I'm a Systems Engineer by
>day, and am working on this in my off hours... which amounts to a
>second full-time job.
>
>> So I'd like to try out MURSLink, running the above gear into
>> dummy loads, or into actual antennas if MURSLink is in fact
>> allowed to run on the Ham bands.
>>
>> Where do I download the software?
>>
>> If there is no software, I'm a reasonably good programmer

>> (40 years experience) and can write my own. In this case,
>> where to I download the specification(s)?
>
>Are you at all interested in C# or .NET? This is my development
>environment for both the AP and PDA-based software.
>
>> I'm ready to give it a try and see if it lives up to the hype.
>>
>> I mentioned the concept to a bunch of folks I regularly chat
>> with on HF, and there was a fair amount of interest.
>>
>> Several are retired Hams within VHF range that have the gear and time
>> available.
>> Another is 2000 miles from here, and is interested in testing it on HF
>> (ten meters where we can run 1200 baud). She has several Macs
>> but no PCs, will that be a problem?
>
>I'm designing for .NET-based targets, with a single development
>environment for both the PDA and AP software (Visual Studio.NET or
>Visual C#.NET is preferred). While free command-line versions are
>available from Microsoft, the Visual environments are vastly superior,
>for a number of reasons(debug support, Wireless development
>environments, etc.). Linux and Palm environments were considered, but
>have been ruled out for various reasons. I have not looked at the
>Macintosh enviroment at all.
>
>I'm currently concentrating on the map-based portion of the
>software(which is used for position-reporting, but will also provide a
>snazzy user interface background for both the AP and PDA-based
>applications) . The proposed baseline standards are CADRG and
>GeoTIFF. Here are links where specifications for these standards can
>be downloaded:
>
>http://164.214.2.59/publications/specs/printed/CADRG/cadrg.html
>
>http://remotesensing.org/geotiff/spec/geotiffhome.html
>

566. Re: speaker feed

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-02-28 23:59:41 UTC
From: "Jim Shaffer, Jr." <jmshaffer@alltel.net>
Message-ID: <m1ht7u8963pfsjhfit2i4kpe834j35572v@4ax.com>
Source record: 6790

On 27 Feb 2002 17:42:52 -0500, jclind@sentex.net (ProNews/2 User) wrote:

>I have aTS-440sat and am feeding the external speaker o/p to my sound
>card so I can do psk31. I would like to be able to feed the audio to
>my pk232 so I can use it for pactor and other modes as well. How can I
>do this and feed a speaker as well without overloading my audio driver
>on the 440?

Is the impedance of either the sound card or the pk232 input low enough to make
this an issue? I haven't tried it, but I would've assumed not.

567. Re: speaker feed

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-01 04:13:17 UTC
From: Cathryn Mataga <cathryn@junglevision.com>
Message-ID: <3C7EFFDD.8010408@junglevision.com>
Source record: 6791

Jim Shaffer, Jr. wrote:
> On 27 Feb 2002 17:42:52 -0500, jclind@sentex.net (ProNews/2 User) wrote:
>
>
>>I have aTS-440sat and am feeding the external speaker o/p to my sound
>>card so I can do psk31. I would like to be able to feed the audio to
>>my pk232 so I can use it for pactor and other modes as well. How can I
>>do this and feed a speaker as well without overloading my audio driver
>>on the 440?
>>
>
> Is the impedance of either the sound card or the pk232 input low enough to make
> this an issue? I haven't tried it, but I would've assumed not.

I stuck a y-jack after my sound card and feed both the speaker
and the PK-232/PSK. Maybe I'm bad for not worrying about impedance and
all that, but it does seem to just work. I don't think you're gonna'
break anything by just plugging it all together and seeing what happens.

568. phoenix bios

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-01 05:07:51 UTC
From: john couch <vkfjc@optusnet.com.au>
Message-ID: <3c7f0c90$0$6215$afc38c87@news.optusnet.com.au>
Source record: 6792

Many thanks to all who have taken the time to read this message.
I have an old 486x33 Mitac laptop, I use in my mobile home to run packet radio.
Recently the hard drive went down, fortunately I was given another drive, of different manufacture and size.
My problem was accessing the bios to change the drive data.
In the end I unsoldered the battery, this then told me the real time had failed, and then allowed me to change the drive data.

What I want to know is there a procedure to get into the unit at boot, or do I need a disk like used to be used on the old 286's with Phoenix bios.

Any suggestions would be appreciated.

Best regards

John Couch vk3jd

569. Re: toshiba and ritty

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-01 05:53:03 UTC
From: Dick Carroll <dickc58@worldnet.att.net>
Message-ID: <3C7F174F.A4EBB763@worldnet.att.net>
Source record: 6793

Simo wrote:

> Is it possible to run ritty or bitty in toshiba satellite pro 480cdt with a
> yamaha opl3-sa3 soundcard?
> I have try and try, but no, it transmits ok, but doesn't receive nothing...
>
> aarrg.

If it is really transmitting, it should receive as well. Check to be sure you have the
right amount of audio into the correct soundcard port.

570. Re: MURSlink packet experimentation on ARS frequencies

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-01 08:00:53 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <t8cu7uog5v5f24vr88jjbunpqh6776im10@4ax.com>
Source record: 6794

On 25 Feb 2002 12:08:57 -0800, horseshoe7@yahoo.com (stewart) wrote:

>> Without a protocol specification, this sounds just like any vapourware
>> "product".
>
>I prefer "in development" to "vaporware".

After following the discussion for a few days, it much sounds like "in development" actually means that the originally sketched on a napkin has been redrawn on napkin number 2 :-).

There is still a long way from something outlined on a napkin to a specification that would come to the same level of functionality as even AX.25.

Paul OH3LWR

571. Help please... Hamtext

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-01 14:24:40 UTC
From: AB2HR <ab2hr@arrl.net>
Message-ID: <j44v7u40jc4pnjnnrsjfs0h3ed361ut5rv@4ax.com>
Source record: 6795

Hi folks... Anyone here using Hamtext for Commodore computers for
RTTY?

I'm playing around with it, and have no documentation, yet several
questions/problems... Can anyone assist?

TIA!
Raymond Sirois AB2HR
SysOp: The Lost Chord BBS
607-733-5745
telnet:\\thelostchord.dns2go.com:6000

572. Re: Help please... Hamtext

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-01 16:08:19 UTC
From: AC6V <ac6v@amsat.org>
Message-ID: <3C7FA77B.950CB26E@amsat.org>
Source record: 6796

Maybe try URL:
http://S.webring.com/webring?ring=cbmring&id=217&list

AB2HR wrote:

> Hi folks... Anyone here using Hamtext for Commodore computers for
> RTTY?
>
> I'm playing around with it, and have no documentation, yet several
> questions/problems... Can anyone assist?
>
> TIA!
> Raymond Sirois AB2HR
> SysOp: The Lost Chord BBS
> 607-733-5745
> telnet:\\thelostchord.dns2go.com:6000

--
73 From AC6V, Rod In Oceanside, CA
I doubt, therefore I might be!

AC6V Mega Ham Index at http://ac6v.com
AC6V Book For DXers at http://ac6v.com/DXSAMPLE.htm

573. Re: online hiphop demo

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-02 05:14:42 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <6dZf8.8274$gK2.589136@bgtnsc04-news.ops.worldnet.att.net>
Source record: 6797

"Howard Goldstein" <hgoldste@mpcs.com> wrote in message
news:1015043054.779@news.queue.to...
> On Sat, 02 Mar 2002 01:51:35 GMT, a online hiphop <jharri7602@attbi.com>
wrote:
> : The CD is in pressing now in Korea and should be back by second week in
> : april.
>
> Tossing kimchi in with the disc would result in a greatly enhanced
> buyer experience
>
> : . We are seeking airplay.
>
> Is that a MURS rig I see in your future?

I don't think audio is in the spec, since the only URLs
given pointed to some TIFF style file formats :-)

However, it should be simple enough to do streaming ra.
At 1200 baud, streaming ra should be good enough for CW
at least, probably 45 baud RTTY as well.

--

... Hank

http://horedson.home.att.net

574. Re: online hiphop demo

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-02 08:17:24 UTC
From: Clint Black <cb@enron.com>
Message-ID: <oU%f8.27883$jC3.726312@news1.east.cox.net>
Source record: 6798

"Howard Goldstein" <hgoldste@mpcs.com> wrote
>
> Is that a MURS rig I see in your future?

Ah, another positive thread.

Shouldn't you be writing your family in the Palestine
settlements?

575. Re: Modem for Tekk KS-1000 radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-02 14:44:51 UTC
From: ldh3@cornell.edu
Message-ID: <a5qoh3$7t2$1@news01.cit.cornell.edu>
Source record: 6799

Hi Cathryn,

There's about a 90% chance this one will get launched. I'm working with
the Cornell University CubeSat project; we already have a launch slot and
funding etc. All that's left is to build the sat! Web page for the project is
at http://www.msae.cornell.edu/cubesat if you want to look at it. Of
course the site is behind development quite a bit, but you'll get the idea.

There will be several CPUs on board. One on the Cougar GPS receiver,
one on the TattleTale board which is for command & data handling, and one on
the comm system handling modem & TNC duties. The comm system should be pretty
nice, all on one board about 9x5 cm. Presuming it gets finished wihtout major
obstacles preventing it of course!

I'm doing backup research right now for comm in case the primary design
fails. Sad thought, but in the world of students anything's possible.

73, Mike N2VR

In article <3C7DFB0D.8030405@junglevision.com>, cathryn@junglevision.com
says...
>
>
>
>Laurence Hammer wrote:
>> I'm looking at the Tekk KS-1000 radio for the onboard end of a satellite
>> system. Obviously, this package needs an external modem before it's a
complete
>> system. Anyone have any recommendations and/or with a very small modem
design,
>> or even one we might be able to simply purchase for use with this radio?
>> Weight and power draw are of course critical, so the smaller the better.
>>
>> Additionally, any hints, tips or tricks with the KS-1000, 900 series etc
would
>> also be greatly appreciated.
>
>
>Wow, this sounds like an interesting project. You desiging a satellite, huh?
>Is there a chance this would actually get launched?
>Just wondering, have you decided what kind of computer to put on there yet?
There are
>tiny modems for 9600 baud packet, but they are a bit of the CPU hogs -- from
what I've seen.
>
>(Hi guys, I've been away programming constantly since like November of last

year. Just
>shipped off final code a few days back.)
>

576. Re: online hiphop demo

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-02 14:58:20 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <gM5g8.9977$106.686614@bgtnsc05-news.ops.worldnet.att.net>
Source record: 6800

```
"Howard Goldstein" <hgoldste@mpcs.com> wrote in message
news:1015073074.9817@news.queue.to...
> On Sat, 02 Mar 2002 05:14:42 GMT, Hank Oredson <horedson@att.net> wrote:
> :
> : "Howard Goldstein" <hgoldste@mpcs.com> wrote in message
> : news:1015043054.779@news.queue.to...
> : > : . We are seeking airplay.
> : >
> : > Is that a MURS rig I see in your future?
> :
> : I don't think audio is in the spec, since the only URLs
> : given pointed to some TIFF style file formats :-)
> :
> : However, it should be simple enough to do streaming ra.
> : At 1200 baud, streaming ra should be good enough for CW
> : at least, probably 45 baud RTTY as well.
>
> How about the sound quality at 1200? Oh wait, with all those pesky
> layers gone there must be tons of excess bandwidth.

Of course! Not to mention to improved BER ...

--

... Hank

http://horedson.home.att.net
```

577. AEA Fax III

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-02 15:00:50 UTC
From: The Irvine's <ve9wh@nbnet.nb.ca>
Message-ID: <CO5g8.9219$Ek1.1104573@news-nb00s0.nbnet.nb.ca>
Source record: 6701

Hi;
Can anyone tell me where I can download a copy of AEA FaxIII ? I have it on
3 5-1/4 disks but figured it would be easier to download than to try and
find an old 5-1/4 drive.

Jim VE9WH

578. Re: SSTV Software

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-02 15:19:45 UTC
From: JRW <freeboy@ic24.net>
Message-ID: <u81sbl252r2v01@corp.supernews.com>
Source record: 6702

Tim

Forget shareware, try the freeware MMSSTV from www.qsl.net/mmhamsoft.

John M5AML

"Tim Randa" <randas@mindspring.com> wrote in message
news:3BFD6DFB.6C275690@mindspring.com...
> Hello to all, I'm looking for recommendations for SSTV shareware that's
> beginner user friendly. Something that uses the sound card. After 23
> years as a ham it's about time I give the mode a try...hi
>
> Thanks for your time in responding
>
> 73 de Tim K�FL
>

579. Re: AEA Fax III

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-02 16:18:27 UTC
From: Roger Barker <roger@peaksys.co.uk>
Message-ID: <BygTSEBTtPg8Ewaz@peaksys.co.uk>
Source record: 6703

In article <CO5g8.9219$Ek1.1104573@news-nb00s0.nbnet.nb.ca>, The
Irvine's <ve9wh@nbnet.nb.ca> writes
>Hi;
>Can anyone tell me where I can download a copy of AEA FaxIII ? I have it on
>3 5-1/4 disks but figured it would be easier to download than to try and
>find an old 5-1/4 drive.

Try Timewave - they took over the remains of AEA, including FAX III.

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

580. New Domain - k7on.com

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-02 18:39:08 UTC
From: Brian Short <k7on@earthlink.net>
Message-ID: <MPG.16eb29648820ad1a9896e7@news.earthlink.net>
Source record: 6704
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.scanner,rec.radio.shortwave,rec.radio.swap

I have registered a new domain k7on.com and my web page
will be re-located on managed servers with high-bandwidth
connections.

Please replace any bookmarks or links with:
http://www.k7on.com/

For the time being, while DNS caches update, I will
keep the qsl.net/k7on web page online, but expect no
updates.

Thanks, Brian

--
People who think they know it all are annoying
to those of us who do.
--
See my web page: http://www.k7on.com/
--

581. Re: phoenix bios

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-02 19:43:38 UTC
From: Bob Miles <rmiles@zetnet.co.uk>
Message-ID: <d89r5a.hnf.ln@192.168.1.1>
Source record: 6706

Try www.hardwarehell.com or www.pchell.com
Everything you need to know about PC's, bios; hard drives...

Regards
Bob
GM4CAQ

"john couch" <vkfjc@optusnet.com.au> wrote in message
news:3c7f0c90$0$6215$afc38c87@news.optusnet.com.au...
> Many thanks to all who have taken the time to read this message.
> I have an old 486x33 Mitac laptop, I use in my mobile home to run packet
> radio.
> Recently the hard drive went down, fortunately I was given another drive,
of
> different manufacture and size.
> My problem was accessing the bios to change the drive data.
> In the end I unsoldered the battery, this then told me the real time had
> failed, and then allowed me to change the drive data.
>
> What I want to know is there a procedure to get into the unit at boot, or
do
> I need a disk like used to be used on the old 286's with Phoenix bios.
>
> Any suggestions would be appreciated.
>
> Best regards
>
> John Couch vk3jd
>
>

582. FS Packet Controller Board $75

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-03 03:16:26 UTC
From: kbtgw <kbtgw@ws.quik.com>
Message-ID: <eAgg8.478$1V1.2699@newsfeed.intelenet.net>
Source record: 6705

I have a Packet controller board for IBM or compatible PC. This is an AEA PCB-88 complete packet TNC [works both VHF-UHF and HF]. It comes with the internal packet controller board, cables, power supply [not really needed] and PC-Packratt-88 program [works in DOS or Windows]. Works fine but only does Packet. Asking $75 + something for shipping [the manual is heavy]. Contact Les via: e-mail kbtgw@ws.quik.com or telephone at 516-295-0696.

73 de Les, K2TGW

583. Manual for Aea pk-96

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-03 21:58:45 UTC
From: Timo Rinta-aho <timo.rinta-aho@pp.inet.fi>
Message-ID: <3C829CC8.2539E45D@pp.inet.fi>
Source record: 6707

I am looking for manual or a copy of manual for aea pk-96.
Does somebody know if this can be found on the internet?
Or if somebody of you has this manual, maybe you could make
a copy of it and post it to me, i will pay the post & printing costs.

Best 73's Timo

584. ipaq?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-04 06:50:26 UTC
From: michael jantzen <jantzen_michael@hotmail.com>
Message-ID: <SOEg8.11758$T62.2269@sccrnsc02>
Source record: 6708

Anyone have any experience using one of these? I figured out how to hook a tnc into the serial port on the bottom - that was simple enough and I can use it as a dumb terminal. Just curious on how hard it would be to port a tcp/ip stack to it?

Also - what is the legality of actually using the internet over an ax25 connection? are you allowed to use rsa for the password session?

Thanks :)

--
michael jantzen -- .. -.-. .... .- . .-.. .--- .- -. - --.. . -.

585. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-04 06:59:05 UTC
From: michael jantzen <jantzen_michael@hotmail.com>
Message-ID: <ZWEg8.9860$xE.14384@rwcrnsc53>
Source record: 6709

So much mental capacity.

btw - what the heck is a "ceral" box?

--
michael jantzen -- .. -.-. .... .- . .-.. .--- .- -. - --.. . -.

"WA8ULX" <wa8ulx@aol.com> wrote in message

> Yea right, you choose not to upgrade because you dont have the Mental
Capacity
> to upgrade, you will just wait till the License is given away in a Ceral
Box.

586. Re: ipaq?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-04 09:04:06 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna86e46.ph3.nomail@linux.pe1chl.ampr.org>
Source record: 6710

michael jantzen <jantzen_michael@hotmail.com> wrote:
>Anyone have any experience using one of these? I figured out how to hook a
>tnc into the serial port on the bottom - that was simple enough and I can
>use it as a dumb terminal. Just curious on how hard it would be to port a
>tcp/ip stack to it?

I think it has a tcp/ip stack as a standard item.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

587. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-04 10:42:48 UTC
From: Martin <mab@delete-this.capita.nildram.co.uk>
Message-ID: <u86jb870s3qq86@corp.supernews.com>
Source record: 6711

Sorry - should have signed M3ABL & G8FXC - plenty of time
to get cynical...

Martin (G8FXC)

"Roger Barker" <roger@peaksys.co.uk> wrote in message
news:0M6+9mDOwhd8Ew3I@peaksys.co.uk...
> Wow! Cynical already, and the paint is hardly dry on your new callsign!
> ;-)
>
> In article <u7c42f7pdifn68@corp.supernews.com>, Martin <mab@delete-
> this.capita.nildram.co.uk> writes
> >I have to ay that it has me somewhat puzzled too - I am beginning
> >to come to the conclusion that it is a government conspiracy -
> >they want to know what we are doing every minute of the day
> >and very cleverly convince us to buy the kit and operate it
> >for them out of our own pockets :-)
> >
> >Martin (M3ABL)
> >

588. Re: ipaq?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-05 01:26:22 UTC
From: "Gary P. Fiber" <g.fiber@verizon.net>
Message-ID: <kj788ucmkcl9ujqtotiorpa4l9quj38r88@4ax.com>
Source record: 6712

On Mon, 04 Mar 2002 06:50:26 GMT, "michael jantzen"
<jantzen_michael@hotmail.com> wrote:

>Anyone have any experience using one of these? I figured out how to hook a
>tnc into the serial port on the bottom - that was simple enough and I can
>use it as a dumb terminal. Just curious on how hard it would be to port a
>tcp/ip stack to it?
>
>Also - what is the legality of actually using the internet over an ax25
>connection? are you allowed to use rsa for the password session?
>
>Thanks :)

I have a friend who runs Linux on his ipaq. He also uses a 802.11b
wireless lan card wiith it. So I am sure he has an TCP/IP stack
running on it to.

Gary K8IZ

589. Re: ipaq?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-05 02:19:13 UTC
From: michael jantzen <jantzen_michael@hotmail.com>
Message-ID: <BWVg8.2019$Hf7.3484@rwcrnsc51.ops.asp.att.net>
Source record: 6713

I know it has a tcp/ip stack - I was wondering though what you could do with it and packet radio :(. Wouldn't you need an ax25 driver?

Michael Jantzen

"Gary P. Fiber" <g.fiber@verizon.net> wrote in message news:kj788ucmkcl9ujqtotiorpa4l9quj38r88@4ax.com...
> On Mon, 04 Mar 2002 06:50:26 GMT, "michael jantzen"
> <jantzen_michael@hotmail.com> wrote:
>
> >Anyone have any experience using one of these? I figured out how to hook a
> >tnc into the serial port on the bottom - that was simple enough and I can
> >use it as a dumb terminal. Just curious on how hard it would be to port a
> >tcp/ip stack to it?
> >
> >Also - what is the legality of actually using the internet over an ax25
> >connection? are you allowed to use rsa for the password session?
> >
> >Thanks :)
>
> I have a friend who runs Linux on his ipaq. He also uses a 802.11b
> wireless lan card wiith it. So I am sure he has an TCP/IP stack
> running on it to.
>
> Gary K8IZ

590. Aprspoint update

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-05 04:49:23 UTC
From: Michael <hkc2001@pacbell.net>
Message-ID: <n7Yg8.250$Uy2.153942305@newssvr21.news.prodigy.com>
Source record: 6714

There is a major update of version 1.2 of aprspoint. Visit
http://www.aprspoint.com/ to download the latest version. Thanks.

591. WTB: Pac-Comm Tiny-2 TNC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-05 05:14:29 UTC
From: Douglas Gavilanes <gavilan1@earthlink.net>
Message-ID: <3C8454A3.AE2F420D@earthlink.net>
Source record: 6715

I am looking for a Tiny-2 Mk2 TNC for APRS use. If you have one laying around, please e-mail me at: n6xqy@gavilan.net

TNX es 73,

Doug Gavilanes, N6XQY
Garden Grove, CA.

592. iLink conference software?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-05 10:00:57 UTC
From: Erik Finskas <lakki@iki.fi>
Message-ID: <3C8497A7.696F6414@iki.fi>
Source record: 6716

Hi all

At iLink's webpage the conference server is coming soon for download
(and has bee quite a while), although more conference servers have
became online to ilink network lately.
Is there some other site to download the conference server or is it
possible to run a third-party software as ilink conference?

We would be really interrested to run our own finnish conference server.

73
Erik OH2LAK

Admin OH2RCH-R ilink gateway #10177

593. Re: ipaq?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-05 11:50:11 UTC
From: "Gary P. Fiber" <g.fiber@verizon.net>
Message-ID: <i1c98ukqg7nr7ov1fh1333q717qlu2v5k0@4ax.com>
Source record: 6717

Michael,

I don't know. There is another who is running APRS using the ipaq for
the mapping. But he is also using a separate KPC3+ TNC..
We do have a fairly extensive TCP/IP setup here in Seattle, I am not
sure if anyone as tried using the ipaq without a separate TNC.

Gary K8IZ

594. Re: iLink conference software?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-05 13:05:17 UTC
From: VK2JTP <vk2jtp@qsl.net>
Message-ID: <6ig98uo61t6qtsjqdjiqrui9iif9ogfqs4@4ax.com>
Source record: 6718

Contact M0CSH at GB@AACNET.NET with the subject CONF SERVER REQUEST
and decide a *NAME* for your conference server, also a password. All
conference servers have a name starting with *, and it is usual to end
in * also.

>On Tue, 05 Mar 2002 10:00:57 GMT, Erik Finskas <lakki@iki.fi> wrote:

>Hi all
>
>At iLink's webpage the conference server is coming soon for download
>(and has bee quite a while), although more conference servers have
>became online to ilink network lately.
>Is there some other site to download the conference server or is it
>possible to run a third-party software as ilink conference?
>
>We would be really interrested to run our own finnish conference server.
>
>73
>Erik OH2LAK
>
>Admin OH2RCH-R ilink gateway #10177

595. Where can I get a lead please...

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-05 13:50:41 UTC
From: Psion User <tech2000@nolineone.netspam>
Message-ID: <r24h8.40645$R16.5801566@news11-gui.server.ntli.net>
Source record: 6719

Hi Guys,

I have has a Psion 5 gathering dust for ages and have decided to put it to good use with Poc Pac.

Can anybody please tell me where I can purchase a lead in the U.K that will enable me to use the Psion with my Kenwood TH-D7 Handie with built in TNC??

Any replies would be gratefully apprieciated

Best 73,

Alan

596. Re: iLink conference software?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-05 14:55:37 UTC
From: Erik Finskas <lakki@iki.fi>
Message-ID: <3C84DCB8.CA4271A0@iki.fi>
Source record: 6720

Ok thanks!

Also we would be volunteer to run a directory server, where the clients
log on, is that software available too?

Erik

VK2JTP wrote:
>
> Contact M0CSH at GB@AACNET.NET with the subject CONF SERVER REQUEST
> and decide a *NAME* for your conference server, also a password. All
> conference servers have a name starting with *, and it is usual to end
> in * also.
>
> >On Tue, 05 Mar 2002 10:00:57 GMT, Erik Finskas <lakki@iki.fi> wrote:
>
> >Hi all
> >
> >At iLink's webpage the conference server is coming soon for download
> >(and has bee quite a while), although more conference servers have
> >became online to ilink network lately.
> >Is there some other site to download the conference server or is it
> >possible to run a third-party software as ilink conference?
> >
> >We would be really interrested to run our own finnish conference server.
> >
> >73
> >Erik OH2LAK
> >
> >Admin OH2RCH-R ilink gateway #10177

597. good radio for pactor?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-05 18:43:12 UTC
From: glen & sue <worstelg@earthlink.net>
Message-ID: <4l8h8.37777$ZC3.2978690@newsread2.prod.itd.earthlink.net>
Source record: 6721

I'm looking for a good low-cost radio for pactor. Ideally it would have a
500 Hz
filter that works on ssb.

Does anyone know if the Icom IC-718 500 Hz filter will work?
Any other suggestions for a transceiver?

tnx,
KG0T

598. Re: ipaq?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-05 20:55:10 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna8ac5e.606.nomail@linux.pe1chl.ampr.org>
Source record: 6722

michael jantzen <jantzen_michael@hotmail.com> wrote:
>I know it has a tcp/ip stack - I was wondering though what you could do with
>it and packet radio :(. Wouldn't you need an ax25 driver?

You asked for an IP stack, but what you need is an AX.25 protocol
implemetation that will sit below such a stack.

SV2AGW made such a beast for Windows, maybe it can be used with CE?

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

599. Re: SSTV Software

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-05 23:04:07 UTC
From: Mike <kb2hjc@arrl.net>
Message-ID: <15b3ebe985359d9c25c4532cd6cf2697.75050@mygate.mailgate.org>
Source record: 6723

"JRW" <freeboy@ic24.net> wrote in message
news:u81sbl252r2v01@corp.supernews.com...

> Tim
>
> Forget shareware, try the freeware MMSSTV from www.qsl.net/mmhamsoft.
>
> John M5AML
>
>
> "Tim Randa" <randas@mindspring.com> wrote in message
> news:3BFD6DFB.6C275690@mindspring.com...
> > Hello to all, I'm looking for recommendations for SSTV shareware that's
> > beginner user friendly. Something that uses the sound card. After 23
> > years as a ham it's about time I give the mode a try...hi
> >
> > Thanks for your time in responding
> >
> > 73 de Tim Kï¿½FL
> >

I agree a bunch of us here in South NJ just started using MMSSTV and its
great
for beginners and Feature Packed One Draw Back is it uses only BMP or
JPG
graphics formats where the $50 W95SSTV use almost all Guess its pref. Im
strapped for cash as well as some of the other hams here so MMSSTV was
the
choice I LOVE it works with my sound card and currently using it with my
YAESU
1500M through its data port (My HF is down)works great on our repeater
we get in every night and swap pics.

73 Mike KB2HJC

--
Posted via Mailgate.ORG Server - http://www.Mailgate.ORG

600. Re: iLink conference software?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-06 00:40:33 UTC
From: VK2JTP <vk2jtp@qsl.net>
Message-ID: <t3pa8ugdt5kjrvn33jnrstpin8pgls6l0l@4ax.com>
Source record: 6724

There is no software available to run separate directory servers, The
other servers you see are just backups for the main server. All iLINK
users are on the one server. This must be for security control. If
separate servers were available it would be difficult to make sure
than non-amateurs could not use the system.

Terry .. VK2JTP

>On Tue, 05 Mar 2002 14:55:37 GMT, Erik Finskas <lakki@iki.fi> wrote:

>Ok thanks!
>
>Also we would be volunteer to run a directory server, where the clients
>log on, is that software available too?
>
>Erik
>
>VK2JTP wrote:
>>
>> Contact M0CSH at GB@AACNET.NET with the subject CONF SERVER REQUEST
>> and decide a *NAME* for your conference server, also a password. All
>> conference servers have a name starting with *, and it is usual to end
>> in * also.
>>
>> >On Tue, 05 Mar 2002 10:00:57 GMT, Erik Finskas <lakki@iki.fi> wrote:
>>
>> >Hi all
>> >
>> >At iLink's webpage the conference server is coming soon for download
>> >(and has bee quite a while), although more conference servers have
>> >became online to ilink network lately.
>> >Is there some other site to download the conference server or is it
>> >possible to run a third-party software as ilink conference?
>> >
>> >We would be really interrested to run our own finnish conference server.
>> >
>> >73
>> >Erik OH2LAK
>> >
>> >Admin OH2RCH-R ilink gateway #10177

601. Connecting a Kenwood TH-d& to a Psion 5 help needed please

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-06 13:09:43 UTC
From: Alan Mears <tech2000@nolineone.netspam>
Message-ID: <Qxoh8.46117$R16.6428178@news11-gui.server.ntli.net>
Source record: 6725

Hi Guys,

I have has a Psion 5 gathering dust for ages and have decided to put it to good use with Poc Pac.

Can anybody please tell me where I can purchase a lead in the U.K that will enable me to use the Psion with my Kenwood TH-D7 Handie with built in TNC??

Any replies would be gratefully apprieciated

Best 73,

Alan

602. Re: Connecting a Kenwood TH-d& to a Psion 5 help needed please

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-06 16:04:31 UTC
From: "Brian.Farrelly" <Brian.Farrelly@nho.hydro.com>
Message-ID: <3C863E0F.1C9C2C39@nho.hydro.com>
Source record: 6726

Alan Mears wrote:
>
> Hi Guys,
>
> I have has a Psion 5 gathering dust for ages and have decided to put it to
> good use with Poc Pac.
>
> Can anybody please tell me where I can purchase a lead in the U.K that will
> enable me to use the Psion with my Kenwood TH-D7 Handie with built in TNC??
>
> Any replies would be gratefully apprieciated
>
> Best 73,
>
> Alan

What is Poc Pac? Tried to find on net without success.

Brian

--
mailto:Brian.Farrelly@nho.hydro.com Norsk Hydro Research Centre
phone +47 55 99 68 74 (((Postboks 7190
fax +47 55 99 69 70 2oooS N-5020 Bergen
home +47 55 13 78 49 HYDRO Norway

603. Re: Connecting a Kenwood TH-d& to a Psion 5 help needed please

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-06 17:25:29 UTC
From: Alan Mears <tech2000@nolineone.netspam>
Message-ID: <zhsh8.47233$R16.6570723@news11-gui.server.ntli.net>
Source record: 6727

Poc Pac is a packet radio programd for the psion 5

"Brian.Farrelly" <Brian.Farrelly@nho.hydro.com> wrote in message
news:3C863E0F.1C9C2C39@nho.hydro.com...
> Alan Mears wrote:
> >
> > Hi Guys,
> >
> > I have has a Psion 5 gathering dust for ages and have decided to put it
to
> > good use with Poc Pac.
> >
> > Can anybody please tell me where I can purchase a lead in the U.K that
will
> > enable me to use the Psion with my Kenwood TH-D7 Handie with built in
TNC??
> >
> > Any replies would be gratefully apprieciated
> >
> > Best 73,
> >
> > Alan
>
>
> What is Poc Pac? Tried to find on net without success.
>
> Brian
>
>
> --
> mailto:Brian.Farrelly@nho.hydro.com Norsk Hydro Research Centre
> phone +47 55 99 68 74 (((Postboks 7190
> fax +47 55 99 69 70 2oooS N-5020 Bergen
> home +47 55 13 78 49 HYDRO Norway

604. Re: ipaq?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-06 21:55:52 UTC
From: michael jantzen <jantzen_michael@hotmail.com>
Message-ID: <Ifwh8.23423$e07.4799@sccrnsc01>
Source record: 6728

Yup thats right - sorry for the confusion :(.

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
news:slrna8ac5e.606.nomail@linux.pe1chl.ampr.org...
> michael jantzen <jantzen_michael@hotmail.com> wrote:
> >I know it has a tcp/ip stack - I was wondering though what you could do
with
> >it and packet radio :(. Wouldn't you need an ax25 driver?
>
> You asked for an IP stack, but what you need is an AX.25 protocol
> implemetation that will sit below such a stack.
>
> SV2AGW made such a beast for Windows, maybe it can be used with CE?
>
> Rob
> --
> +--------------------------------+--------------------------------------+
> | Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
> | AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
> +--------------------------------+--------------------------------------+

605. Re: ipaq?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-06 21:58:30 UTC
From: michael jantzen <jantzen_michael@hotmail.com>
Message-ID: <aiwh8.884$eM.2258@sccrnsc02>
Source record: 6729

I looked it up - looks nice - unfortunately there's no cd device driver on
his site - however I wrote him to find out if it would be possible to help
develope one.

Michae Jantzen

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message

> You asked for an IP stack, but what you need is an AX.25 protocol
> implemetation that will sit below such a stack.
>
> SV2AGW made such a beast for Windows, maybe it can be used with CE?
>
> Rob
> --
> +--------------------------------+--------------------------------------+
> | Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
> | AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
> +--------------------------------+--------------------------------------+

606. Re: ipaq?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-06 22:00:17 UTC
From: michael jantzen <jantzen_michael@hotmail.com>
Message-ID: <Rjwh8.902$eM.1178@sccrnsc02>
Source record: 6730

I'd be curious to know more about his setup - I'm in Portland and I honestly don't know whats going on here packet wise since I'm kinda new at this :).

I don't think the ipaq could do packet without a hardware tnc - its cpu (sa1110) isn't really suitable for emulating a dsp.

Michael Jantzen

"Gary P. Fiber" <g.fiber@verizon.net> wrote in message news:i1c98ukqg7nr7ov1fh1333q717qlu2v5k0@4ax.com...
> Michael,
>
> I don't know. There is another who is running APRS using the ipaq for
> the mapping. But he is also using a separate KPC3+ TNC..
> We do have a fairly extensive TCP/IP setup here in Seattle, I am not
> sure if anyone as tried using the ipaq without a separate TNC.
>
> Gary K8IZ
>
>

607. Re: Explain APRS's Attraction? (fwd)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-07 09:58:51 UTC
From: Gary Coffman <ke4zv@bellsouth.net>
Message-ID: <2dee8u48854812qtpeon3t2904s8m77uii@4ax.com>
Source record: 6731

On Sat, 23 Feb 2002 08:54:38 -0700, Dick Hughes <rhughes33@cableone.net> wrote:
>Packet is just another form of communication. APRS requires that you
>have a GPS connected to your radio so that you can transmit your exact
>location. Very useful if you are lost in the mountains and can reach
>a repeater.

You have a working GPS, and you're lost?

Gary

608. CwGet morse decoder 1.25 is released

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-08 10:57:44 UTC
From: amx2@dxsoft.com
Message-ID: <3c8898e6.2597093@news.cis.dfn.de>
Source record: 6732

Hello All,

I have uploaded CwGet 1.25 to the main site and mirrors:
http://www.dxsoft.com/cwget.zip
http://www.hamport.com/cwget.zip
http://www.8ung.at/dxsoft/download/cwget125.zip

Best regards,
Sergei mailto:amx@dxsoft.com
http://www.dxsoft.com

==========
CwGet Versions History.

CwGet Versions History.

V1.25
If there are several sound cards in a computer, you can select the
card by
the "SoundCardNumber" parameter of [CwGet] section of the CWGET.INI
file.
"SoundCardNumber=0" means a first sound card, "SoundCardNumber=1"
means a
second card etc. Negative value means system default sound card.
The command "File->Open Buffer in Notepad" was made. It saves
receiving
buffer in a temporary file and opens this file by a text editor.
Then you
can view this file or print it. The hotkey of this command is
Ctrl-N.
This command is available in registered version of the software
only.
V1.24
The main filter and amplitude detector were fully rewritten.
A set of main filter bandwidths was extended.
Alt-D shortcut was made for the "Clear Buffer" command.
V1.22
The problem with spectrogram repaint on some computers was fixed.
[...]
WBR,
Sergei

Windows HAM radio software at http://www.dxsoft.com

609. Re: Aprspoint update

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-08 12:52:51 UTC
From: "J. Duffy Beischel" <duffyb01@fuse.net>
Message-ID: <u8hd04gud2o78e@corp.supernews.com>
Source record: 6733

Also consider the very well supported UI-View program at only about $15. Constantly updated and fits into the average ham's budget much better. You can find UI-View here:

http://www.ui-view.com/index.shtml

Regards,

Duffy - WB8NUT

"Michael" <hkc2001@pacbell.net> wrote in message news:n7Yg8.250$Uy2.153942305@newssvr21.news.prodigy.com...
> There is a major update of version 1.2 of aprspoint. Visit
> http://www.aprspoint.com/ to download the latest version. Thanks.
>
>

610. MODES FOR SOUNDCARD SOFTWARES

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-08 19:55:59 UTC
From: Dave <g3vfp@blueyonder.co.uk>
Message-ID: <iH8i8.5595$kF6.368885@news-binary.blueyonder.co.uk>
Source record: 6734

Hi.

Just an update to say that I hold most current software's on my site for
PSK, RTTY, CW, HELL, SSTV, MFSK etc including Linux radio software.

http://www.g3vfp.com/download.html

Regards,

Dave.

611. 56K packet equipment

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-09 12:57:46 UTC
From: ZZZjim_cronin@juno.comZZZ
Message-ID: <6m1k8u0ek991i955n5rogiinm895p3cg8t@4ax.com>
Source record: 6735
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.swap

For sale: Paccomm 56K WA4DSY "GRAPES" modem + cable
for PI/2 card. In excellent condition. $275 shipped to lower 48
states.

Also Microwave Modules 10 meter to 222 transverter used with above
items + cables. In excellent condition. Includes extra crystal for
use on 218-219 MHz fixed link band segment. $150 shipped with
purchase of GRAPES modem; will not sell separately until modem is
sold.

Call Jim at 716-381-3102 (evenings before 9 PM) or 716-231-2417 (work)
or email to ZZZjim_cronin@juno.comZZZ
(remove ZZZ on front and back to reply.)

73,
Jim
N2VNO

612. Re: 56K packet equipment

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-09 17:13:50 UTC
From: Tony Hoffman <thoffman@cox.net>
Message-ID: <ipri8.1815$4H5.289143@news1.east.cox.net>
Source record: 6736
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.swap

I'll go $5, you pay for shipping.

jim_cronin@juno.com wrote
> For sale: Paccomm 56K WA4DSY "GRAPES" modem + cable
> for PI/2 card. In excellent condition. $275 shipped to lower 48
> states.

613. CWType/ Rigblaster Plus Help Needed

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-09 19:18:28 UTC
From: "Bruce E. Martin" <bmartin@alum.mit.edu>
Message-ID: <8eti8.5120$RB.918161@news1.news.adelphia.net>
Source record: 6737

Have been trying to direct key my Kenwood TS-940 using CWType and the Rigblaster Plus without success. Anyone been able to do this? Would sure appreciate help on setting up the CWType.ini file, Rigblaster jumpers, etc.

614. Best Soundcard for the digital modes?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-09 21:47:13 UTC
From: Rob <Pse@NoEmail.Com>
Message-ID: <Lvvi8.2767$a04.14644@tor-nn1.netcom.ca>
Source record: 6738

If you are picking a sound card for your PC to be used for the digital modes, you may want to check out http://www.pcavtech.com/soundcards/compare/index.htm

The site compares the various sound cards. Many have poor SNR's.

Rob

615. SSTV CB ENTHUSIASTS... A new mailing list is available..

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-10 01:00:27 UTC
From: sstvcb@hotmail.com
Message-ID: <557e5318.0203091700.b0cdf3e@posting.google.com>
Source record: 6739

Hello!

A new mailing list for SSTV CB enthusiasts have been created..
It is available for all people interested in SSTV in the 11 meter
(CB) band. Please visit and join to share information on stations,
equipment, software and much .

Please visit:
http://groups.yahoo.com/group/SSTVCB/

See and be seen!

Almir

616. IEEE802.11 for HAMs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-10 20:55:00 UTC
From: Guillaume Filion <gfk@logidac.com>
Message-ID: <gfk-AFAE99.15550010032002@news.videotron.net>
Source record: 6740
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

Hi all,

For some weeks now, I've been thinking (obscessed) about IEEE802.11 in the HAM radio bands. Searching the web and newsgroups with Google didn't show much talks about this, any ideas why?

Here are some ideas I've come up with:

First, here's a summary of the two present IEEE802.11 options:

IEEE 802.11b (the most common)
Freq range: 2.4 GHz
Data rate: Up to 11 Mbps
Range: 100 meters (omnidirectional)

IEEE 802.11a
Freq range: 5 GHz
Data rate: Up to 54 Mbps
Range: 50 meters (omnidirectional)

What I'm looking for is something like:
Freq range: UHF (around 800 MHz - in the ham radio freqs)
Data rate: 3 Mbps (or whatever we can acheive)
Range: 30 km (omnidirectional)

We could use existing 802.11b controllers (like Cirrus Logic's CS22250) and we would only need to make our own Digital Radio PHY. I guess it would be best to make an adapter between standard HAM rig and the 802.11b controller.

Standard 802.11b uses the unlicensed 2.4 GHz band and must use Spread Spectrum (DSSS and FHSS) to cope with interferences caused by other devices using these unlicensed frequencies. This is different in a HAM radio situation, since:
1) there should not be much interference (we'd use HAM licenced bands)
2) we can legally emit a much stronger signal. I beleive that standard IEEE802.11b emits a 100mW signal, we could use 2W or more depending on the situation.
Because of this, I guess it would be preferable to modulate the signal on one frequency (no spread spectrum).

Any idea on how technically/legally feasable this is? This idea is more day dreaming than reality so don't be shy to day dream with me... 8)

73,
GFK's

--
Guillaume Filion
Logidac Tech., Beaumont, Qu&#65533;bec, Canada - http://logidac.com/
PGP Key and more: http://guillaume.filion.org/ (this will redirect)
PGP Fingerprint: 14A6 720A F7BA 6C87 2331 33FD 467E 9198 3DED D5CA

617. Website Update de ON1OE special SSTV

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-10 21:38:23 UTC
From: ON1OE <on1oe@amsat.org>
Message-ID: <3c8bd304$2$263$ba620e4c@news.skynet.be>
Source record: 6741

Hello OM,

New update from my website.

http://www.on1oe.tk

Thanks for your visite.

Regards,
Patrick ON1OE
(qrv on iLink)

618. Re: Connecting a Kenwood TH-d& to a Psion 5 help needed please

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-10 22:42:42 UTC
From: Ray Harman <ray@rharman.fsnet.co.uk>
Message-ID: <a6gnjnkad1@newsg3.svr.pol.co.uk>
Source record: 6742

You need the Kenwood computer connection cable and a null modem adaptor.

Connect the Psions serial cable to the Kenwood cable with the adaptor.
Thats it.

Ray

"Alan Mears" <tech2000@nolineone.netspam> wrote in message
news:Qxoh8.46117$R16.6428178@news11-gui.server.ntli.net...
> Hi Guys,
>
> I have has a Psion 5 gathering dust for ages and have decided to put it to
> good use with Poc Pac.
>
> Can anybody please tell me where I can purchase a lead in the U.K that
will
> enable me to use the Psion with my Kenwood TH-D7 Handie with built in
TNC??
>
> Any replies would be gratefully apprieciated
>
> Best 73,
>
> Alan
>
>
>
>

619. Re: IEEE802.11 for HAMs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-10 23:44:12 UTC
From: mike.luther@ziplog.com
Message-ID: <u8nruc7nspdsc9@corp.supernews.com>
Source record: 6743
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

In <gfk-AFAE99.15550010032002@news.videotron.net>, Guillaume Filion <gfk@logidac.com>
writes:
>Hi all,

You too?

>For some weeks now, I've been thinking (obscessed) about IEEE802.11 in
>the HAM radio bands. Searching the web and newsgroups with Google didn't
>show much talks about this, any ideas why?

>What I'm looking for is something like:
>Freq range: UHF (around 800 MHz - in the ham radio freqs)
>Data rate: 3 Mbps (or whatever we can acheive)
>Range: 30 km (omnidirectional)

>We could use existing 802.11b controllers (like Cirrus Logic's CS22250)
>and we would only need to make our own Digital Radio PHY. I guess it
>would be best to make an adapter between standard HAM rig and the
>802.11b controller.

Hmmmmm ...

>Standard 802.11b uses the unlicensed 2.4 GHz band and must use Spread
>Spectrum (DSSS and FHSS) to cope with interferences caused by other
>devices using these unlicensed frequencies. This is different in a HAM
>radio situation, since:

>1) there should not be much interference (we'd use HAM licenced bands)
>2) we can legally emit a much stronger signal. I beleive that standard

>IEEE802.11b emits a 100mW signal, we could use 2W or more depending on
>the situation.
>Because of this, I guess it would be preferable to modulate the signal
>on one frequency (no spread spectrum).

>Any idea on how technically/legally feasable this is? This idea is more
>day dreaming than reality so don't be shy to day dream with me... 8)

>73,
>GFK's

>Guillaume Filion

On top of what you are thinking, I'm a solid OS/2 operation .. While it
is a WONDERFUL platform for mission critical stuff, the limited driver
ability in some areas is a problem. Artem cards and Cisco cards are
said to be fine with OS/2 and have drivers for OS/2. But, as you point

out, the range is minimal. Even if we were to go forward with gain antennas made up for these cards, we still face the problem that feed line losses are really an issue.

In my case, the path length needed is 15 statute miles line-of-site, more or less. That leaves the only real solution that I can see of running the whatever hardware combo as a pure 10base-whatever connection over the 150 feet or so to the shack. Then running the DC power up the minimal 60 foot towers to get to the unit-pack which will relay across ham band freqencies to where it is needed.

In essence .. what is really needed is not only the protocol aware stuff, but a 10base-whatever boxlet which we can all use to reach out for the height to get wherever!

Once we get to 10base-whatever, the op-system inside it shouldn't be a problem for anyone .. Win or OS/2 or LINUX or UNIX or AIX or whatever! You have a node out there on the LAN. It does what it needs to do to be an interface ..

Or am I all wrong here?

--> Sleep well; OS/2's still awake! ;)

Mike.Luther@ziplog.com
Mike.Luther@f3001.n117.z1.fidonet.org

620. ARNewsline 1282 - March 8 2002

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-11 04:06:34 UTC
From: radionews@aol.com
Message-ID: <20020310230635.24765.00001087@mb-mv.aol.com>
Source record: 6744

Amateur Radio Newsline™ Report 1282 – March 8, 2002

Amateur Radio Newsline report number 1282 with a release date of
Friday, March 8th, 2002 to follow in 5-4-3-2-1.

The following is a Q-S-T.

The Dayton Hamvention announces the EMMY AND OSCARS of Amateur Radio. We have the winners on Amateur Radio Newsline report number 1282 coming your war right now.

(Billboard Cart Here)

**

HAMVENTION 2002: AWARD WINNERS NAMED

The Dayton Hamvention has named Radio Amateur Information Network founder Alanson “Hap” Holly, KC9RP, as its 2002 Radio Amateur of the Year. Holly received the news of his selection on Thursday evening February 28th in a phone call from Cathi Hoskins, N8ZCQ, who chairs the Hamvention Awards and Banquet Committee. KC9RP tells Amateur Radio Newsline that he was completely taken by surprise:

--
Holly KC9RP: “I was absolutely stunned! In fact, all I could say was me? I mean seriously, I was just absolutely floored.”
--

Holly, lives in Des Plaines Illinois has been licensed since 1965. He began his ham radio informational programming career in 1984 on a local Chicago Area repeater. This eventually lead him to become founder, moderator and guiding light of a weekly amateur radio audio feature magazine known as the RAIN Report.

--
Sample audio from Rain Report.
--

RAIN programming is distributed to hundreds of repeaters across the country via a telephone dial-up line, the rainreport.com website, by a subscription tape service and broadcast over W-A-Zero-R-C-R's weekly 160 meter informational net.

But that’s is only a small part of the Hap Holly story. Originally licensed in Escondido California at age 14, Holly who has been blind since age 7 served as a phone-patch station and net control for the famed WESTCARS traffic net until 1970. He then headed off to Principia College in Illinois and from 1970 to graduation in 1974, ran phone patches and kept radio schedules for many of

his fellow students.

Holly graduated Principia with a Bachelor of Arts degree in Sociology, and soon found himself in the Chicago area. There, he sought out world-class jazz accordionist Leon Sash, to pursue further training in music. As a professional keyboard player, Holly's diverse repertoire of American music of the past six decades has made him a popular choice in the Chicago area.

Hap met his wife-to-be while he was teaching a class in non-visual perception to high school students at a summer camp in Buena Vista, Colorado. The two were married in August of 1976. Stephanie, who is sighted, received her ham ticket and KA9WKD callsign in 1986.

Over the years, Hap Holly has written articles for the Spec-Com Journal, Radio Scan Magazine and occasionally reports for us here on the Amateur Radio Newsline. Holly is also a common sight at the Dayton Hamvention, taping forums which are then incorporated throughout the year into his RAIN Reports. And since 1975 KC9RP has been an honored member of the Des Plaines Lions Club. He has also been a member of the Des Plaines Toastmasters since 1976. He and Stephanie are also active with Des Plaines Illinois Emergency Medical Alert system.

Named as this years Hamvention Technical Excellence award winner is Alan Waller, K3TKJ, of Laurel, Delaware. Waller was chosen for his work that lead to the interfacing the Internet to Amateur Radio.

First licensed in 1961, Waller combined his decades-long love for Amateur Radio and a burgeoning interest in the then-new Internet to design and manage the www.qsl.net and www.qth.net web sites. That was back in 1993. Since that time, Alan Waller's web sites have come to serve the needs of tens of thousands of ham radio operators worldwide by providing a vast technical reference platform, an electronic mail service, web page hosting services, and links to thousands of other ham radio related sites. And in the true spirit of the Amateur Radio, Waller's initial work utilized leading edge experimentation to see what could be done with the technology then available. This has developed into a mature, reliable service to the world wide ham radio community.

Rounding out this seasons winners are a pair of pair of space exploring hams who have been named as co-recipients of the 2002 Hamvention Special Achievement Award. Former astronauts Owen Garriott, W5LFL, and Tony England, W0ORE, are being honored for paving the way for manned ham radio operations from the space shuttles that has made ham radio a permanent part of mans exploration of space.

Owen Gariott, W5LFL was first. On November 28, 1983, Garriott, was launched into space aboard the space ship Columbia for the STS-9 mission. It was the Spacelab 1 mission and Garriott brought along the first Amateur Radio station on a crew-tended space vehicle. It was a simple Motorola hand held transceiver connected to a special antenna designed to fit in the Space Shuttle's window.

Three days later, W5LFL came on the air and hams across the United States and around the world were witness to a historic radio transmission:

--
Owen Garriott W5LFL: “This is W5LFL in Columbia. W5LFL in Columbia orbiting the Earth at an altitude of 135 nautical miles passing over the U.S. West Coast and calling CQ.”
--

Among those who heard Owen Garriott's Amateur Radio transmissions from space was Lance Collister, WA1JXN of Frenchtown Montana. Collister, who is now W7GJ, is credited with being the first amateur to work an astronaut in orbit. Take a listen:

--
Lance Collister WA1JXN/W7GJ: “W5LFL on Columbia, WA1JXN, W-A-1-Japan - Xray-Norway, WA1JXN Frenchtown Montana standing by.”

Owen Garriott, W5LFL: “Hello W1JXN, WA1JXN, WA1-Juliet-Xray-November. This is W5LFL. You’re our first contact from orbit. WA1JXN, how do you read? Over?”
--

The success of Garriott’s mission lead to the development of SAREX -- The Shuttle Amateur Radio Experiment. And, over the years, SAREX permitted youngsters in classrooms around the world to speak directly with astronauts in space. But for this to happen, the technology of manned ham radio operations from space had to be enhanced. This aspect of the then new SAREX program fell to the next ham radio operator orbited: Tony England, W0ORE.

W0ORE flew into space on the shuttle Challenger in 1985. It was Mission 51F, Spscelab 2. In addition to the 2 meter FM voice gear, Tony England also had with him the first ever ham television station to go into space. Slow Scan yes, but capable of sending back high resolution images which hams on the ground equipped with SSTV gear could view live or record on a simple audio cassette for later viewing and historical archiving. From space, Tony England described the station he was using:

--
Tony England, W0ORE: “Essentially we’ve got a commercial TV camera that anyone could go out to their local radio store ant buy. We feed this into a scan converter built by a commercial outfit and modified by NASA Amateur Radio clubs and this takes a snapshot of the scene and digitizes it and put it in a memory.

Then its sent to a handie-talkie like this. From there we will send it over a wire up to the upper window upstairs and to this antenna when I get it up there in the window. Then it will be transmitted to the ground.

When we get going, we will be able to send color TV images of what we are doing on board as a series of snapshots updated every 10 or 20 seconds. Amateurs anywhere on the ground will be able to receive them, and ones with scan converters will see the pictures.”
--

That flight also marked another first. The first ever two way television -- ham radio television -- to and from space.

Tony England went on to flight prove both the improved FM voice and then new SSTV systems. The SSTV was so successful that NASA gave very serious consideration to a permanent installation on all shuttles for back up communications. More important, the early on-orbit operations by Own Garriott W5LFL and Tony England W0ORE made possible the thousands of educational contacts between children in school classrooms and the crews flying in space. First, on board the shuttles, and now as a permanent part of the International Space Station.

Hap Holly KC9RP, Alan Waller K3TKJ, Owen Garriott W5LFL and Tony England W0ORE will receive their honors at the Hamvention Awards Banquet slated for Saturday evening, May 18th at the Nutter Center in Dayton Ohio. Amateur Radio Newsline will be there to bring you this story and all the news about Hamvention 2002. (ARNewsline™ from Dayton Hamvention® news release. Some audio from “Amateur Radio’s Newest Frontier” and “SAREX - The Shuttle Amateur Radio Experiment” video presentations)

**

Break 1

From the United States of America, We are the Amateur Radio Newsline, heard on bulletin stations around the world including the Indiana Hamfest Association net serving Indianapolis Indiana.

(5 sec pause here)

**

RADIO RULES: FCC RESUMES VANITY PROCESSING

Vanity license processing is getting back on tract. According to a Legaue bulletin the FCC now has all outstanding vanity applications filed last October in hand and is ready to resume routine vanity processing. Until recently a single missing vanity application had been holding up a backlog of more than 2000 vanity applications. The FCC credits the ARRL in part with helping to locate applicants and resolving the problem. (ARRL, FCC)

**

RESCUE RADIO: AMATEUR RADIO EMERGENCY COMMS SUMMIT

The first ever Amateur Radio Emergency Communications summit was held in Indianapolis last week. Amateur News Weekly’s Jack Parker, W8ISH, reports on the success of this first meeting.

--
They came from the Red Cross, Salvation Army, ARES, RACES and even CB-radio’s REACT team. Two dozen representatives of different Amateur Radio emergency communications groups met in a Federal Building training room to find ways of helping local and state emergency management organizations. The summit was organized by Marion County ARES director Mike Palmer, N9FEB. Palmer cited a need to develop better communications and cooperation between the different groups.

Many amateurs wear two or three different hats when it comes to providing public service. Palmer wants to identify those who are willing to help and to better utilize the voice and data communications available in the Marion County Amateur Radio Community. Many of the summit participants agreed this type of effort is long overdue.

Members of Army-Navy and Air Force Mars, as well as the Indiana Wing of the Civil Air Patrol offered their services during times of disaster. Everyone agreed this was a good start and look forward to future efforts to better train and organize Amateur Radio Emergency Communications in Marion County and Central Indiana.

Reporting from Indianapolis for Amateur News Weekly, this is Jack Parker W8ISH.

--

According to Jack, everyone came away from the meeting knowing that cooperation between groups is a key element in providing better service to the public. (ANW)

**

RADIO RULES: FCC ADOPTS AMBER EAS EVENT CODE FOR CHILD ABDUCTION CASES
The Federal Communications Commission has announced the adoption of a Report and Order amending the Emergency Alert System rules. Included are several new EAS event and location codes, which broadcast stations and cable systems may use to alert the public in the event of state and local emergencies. Of these, a new Child Abduction Emergency event code may be the most interesting to hams involved in Search and Rescue and who have E-A-S decoders installed in their repeaters.

The plan is described as a voluntary partnership between law enforcement agencies and the media that will be used to alert the public of serious child abduction cases where police believe that the child is in danger of bodily harm or death. Under the plan, radio and television stations will be permitted but not required to interrupt programming to disseminate information concerning serious child abductions when the new Child Abduction Emergency code is received. It could also be used by hams as an automated call to action to help find a missing child if used to activate an E-A-S equipped Amateur Service repeater.

Police departments say that every minute counts in dealing with an abducted child situation. In adding the Child Abduction Emergency code the FCC says that its responding to public concerns. (FCC)

**

ENFORCEMENT: FCC COMPLETES GEORGIA ARRL VEC EXAM SESSION AUDIT

The FCC has wrapped up an investigation into apparent irregularities at five ARRL VEC-sponsored Amateur Radio examination sessions in Georgia during 2000 and 2001. As a result of the probe, FCC Special Counsel Riley Hollingsworth says that several examinees will be called back for partial retesting:

--
Riley Hollingsworth: “We determined reviewing all of the information that was brought to our by the League that eight examinees will have to be retested on the code element. The ARRL has also relieved ten VE’s of their duties as volunteer examiners.”
--

According to the ARRL Letter, all V-E’s who might have been involved were suspended after the FCC investigation began last year. (FCC, RAIN)

**

ENFORCEMENT: A REPEATER OUTSIDE OF THE BAND

The FCC is also looking at the operation of repeater in the Metro New York City area. Again, the FCC’s Riley Hollingsworth:

--
Riley Hollingsworth: “We opened an inquiry into allegations that an uncoordinated repeater operated by Thomas Batista, KC2DDD, and Gerardo Arias, N2IFU, in Corona and Staten Island New York. Now that repeater is not only causing interference to a coordinted repeater, but the input is apparently on a frequency not even allocated to the Amateur band. So, needless to say we are real interested in reviewing that response when it comes in.
--

What Hollingsworth will be looking for is an answer to why the machine is using 143.020 MHz as an input frequency as well as why its on the air without coordination. 143.020 MHz is a full 800 Kilohertz below the bottom edge of the 2 meter Amateur band. (FCC, RAIN)

**

CONVENTIONS: SOUTH EAST VHF SOCIETY CONFERENCE

On a far lighter note, the Sixth Annual Southeastern VHF Society Conference will take place April 26th through the 27th in Oak Ridge, Tennessee. And they too are putting out a call for papers. If you are interested in participating, please contact KG4QDZ by e-mail to kg4qdz@arrl.net. (VHF Reflector)

**

CONVENTIONS: CHARLESTON HAMFEST MARCH 16

And the 18th Annual Charleston Area Hamfest and Computer Show will be held Saturday, March 16, 2002 from 9 AM to 3 PM at the Coonskin Armory in Charleston, West Virginia. Talk-in is on the 145.35 MHz repeater. Admission is $5 and there will be free parking. More information is available by e-mail to n8tmw@arrl.net. (N8TMW)

**

BREAK 2

Here when you need us 52 weeks a year. We are the Amateur Radio Newsline, with links to the world from our only official website at www.arnewsline.org.

(5 sec pause here)

**

HAM RADIO POLITICS: NCI LEADER CALLS FOR ELECTIONS

Bruce Perens, K6BP, the founder and an incumbent director of No Code International says that its time for new directions for the group and has called for elections. Amateur Radio Newsline’s Norm Seeley, KI7UP, has more:

--
According to Bruce Perins, K6BP, when he started NCI in 1997, he never dreamed that it’s goals would be achieved so quickly. But says Perins; “we are most of the way there.”

Perins notes that last year the International Amateur Radio Union voted to ask for the removal of the international treaty provision requiring Morse Code testing for Radio Amateurs. Now Perins observes that even ARRL has voted in favor of removing code requirements from the international Radio Regulations.

With what he terms as -- no remaining credible opposition to NCI's cause left on the international level -- Perins says that it is time to turn NCI’s focus to domestic policy. He says that for NCI to take an appropriate role in the end-game of the no-code battle means cooperation with national societies like the American Radio Relay League. And to do this, Perrins believes may take some new people.

So Perins has asked that an election for new directors be held no later than April 30th of this year. He also says that any person who was an NCI member on December 31, 2001 can be a candidate for director, and is eligible to vote in the election.

For the Amateur Radio Newsline, I’m Norm Seeley, KI7UP.

--

More information about No Code International is on the web at www.nocode.org. (ARNewsline with information from K6BP)

**

HAM RADIO IN SPACE: AO-40 GPS TEST RESULTS PUBLISHED

The February issue of GPS World included an article titled Formation Flying in Space. Authored in-part by AMSAT North America's Frank Bauer, KA3HDO, the essay shows G-P-S results from the receivers that NASA’ Goddard Space Flight Center provided for flight on the AMSAT OSCAR 40 bird. According to Tom Clark, W3IWI, the data shown in the article was downloaded using AO-40's RUDAK system by WD0E and KB0G. (ANS)

**

WRTC-2002: ORGANIZING COMMITTEE ANNOUNCES THE COMPLETE LIST OF OFFICIAL ON-SITE REFEREES

The WRTC 2002 Organizing Committee has named a full list of on-site referees for the upcoming games. The committee says that it received more than 100 highly qualified applications and those chosen were from that group. A full list of referees and other information is available on the web at www.wrtc2002.org (WRTC2002)

**

DX

In D-X, word that Dave Cree, G3TBK, has returned to work in the Caribbean. Throughout March Dave will be active as J88DR from St. Vincent. For the first two weeks of April look for him J3 slash G3TBK from Grenada. Operations will be on all bands, but concentrating on the WARC bands, mostly on C-W, but with some SSB. QSL to Dave's home call either direct or via the RSGB bureau. (RSGB)

The New Zealand Amateur Transmitters Society is warning hams world wide of what they say is a pirate operation. According the NZART News, a maritime mobile station using the callsign ZL2TO and the name Tony has been heard recently operating on nets on 15 Meters. This station currently gives his location as the Cape Verde Islands. Only one problem. The ZL2TO call sign is allocated the Waitara Amateur Radio Club. (NZART)

And the South Africa Radio League news service says that anyone who has held a QSO's with 7Q8 slash ZS6GH or C9 slash ZS6GH should write them off . SARL says that these have been declared null and void because license or authorization to operate was issued by the telecommunications regulators in Malawi or Mozambique. (SARL)

**

THAT FINAL ITEM: NOMINATIONS SOUGHT FOR THE YOUNG HAM OF THE YEAR AWARD

And finally, we started this weeks newscast with a story about awards. Lets end it on a similar note as we here a Amateur Radio Newsline officially open the 2002 nominating season for our own Young Ham of the Year Award.

The Young Ham of the Year award was created in 1986 by amateur Radio Newsline producer Bill Pasternak, WA6ITF, to fill what he viewed as a void where younger members of ham radio society were often overlooked:

--
Bill Pasternak, WA6ITF: “When I was a young ham in the 50’s and 60’s the good deeds of young hams were often overlooked and ignored. When I grew up I was fortunate enough to be in a position to remedy this and thats how the Young Ham of the Year Award program came about. Thats how it came into being”
--

The award as originally envisioned as very low budget. One idea was for a certificate that would be mailed to a ham, age 18 or younger who had shown some exceptional ability or performed some heroic deed that set him or her apart from the crowd. When Bill mentioned the idea to Chip Margelli K7JA, of Vertex Standard back in the company’s days as Yaesu USA, the idea quickly expanded. Margelli offered company support on the spot:

--
Chip Margelli, K7JA: “When Bill Pasternak gave me a call and dsescribed the project to me in the tiniest bit of detail it was obvious that this was a no-brainer and something that we as a company at Yaesu wanted to encourage. So, I jumped at the opportunity to be a major contributor and it has been a great project ever since.”
--

The award now had substance, but it lacked a permanent home. One was found in 1993 when it was invited to the Huntsville Hamfest:

--
Bill Pasternak, WA6ITF: “The way we got to Huntsville? Simple. We advertised. We put a notice into the newscast that we were searching for a permanent home. The answer came in a note from Scotty Neustadter, now W4WW, who is the Huntsville Hamfest Chairman. Scotty basically said bring it to Huntsville. And we did.”
--

While the presentation ceremony did go to Seaside Oregon in 1994, it returned to Huntsville in 1995 where it has been ever since. And in 1996 a second major corporate underwriter came on board. C-Q Magazine. Rich Moseson W2VU, is editor:

--
Rich Moseson, W2VU: “We at CQ have always thought that it is very important to promote Amateur Radio to young people and we saw that co-sponsorship of the award was the way to help do that.
--

What CQ did was to add to the Young Ham of the Year awards chest something very special. A week of fun and excitement at Spacecamp. Today, with corporate sponsorship from Vertex-Standard USA and CQ Magazine, and support from countless others including the ARRL, Dave Bell Associates and Rosewood Communications the Young Ham of the Year Award continues to honor the Amateur Radio related achievements of those hams age 18 or younger. And now its time to find a fitting recipient for 2002.

Full details, rules and a nominating form are available right now on our website at www.arnewsline.org. Just scroll down to the Young Ham of the Year Award area and click to download. Or you can send a self addressed stamped envelope to the 2002 Newsline Young Ham of the Year Award, 28197 Robin Avenue, Santa Clarita California 91350 and we will mail back the materials.

The Amateur Radio Newsline Young Ham of the Year Award is a one of a kind. It honors the youth of ham radio and in doing so, we hope it helps to insure a bright future for the hobby and the radio service that all of us love. (ARNewsline™)

**

NEWSCAST CLOSE

With thanks to Alan Labs, Amateur News Weekly, AMSAT, the ARRL, the CGC Communicator, CQ Magazine, the FCC, the Ohio Penn DX Bulletin, Radio Netherlands, Rain, the RSGB and Australia's Q-News, that's all from the Amateur Radio Newsline(tm). Our e-mail address is newsline@arnewsline.org. More information is available at Amateur Radio Newsline's(tm) only official website located at www.arnewsline.org. You can also write to us or support us at Amateur Radio Newsline(tm), P.O. Box 660937, Arcadia, California 91066.

Before we go, another reminder that the nominating period for the 2002 amateur Radio Newsline Young Ham of the Year is now open. Nominees must be 18 or younger. Full rules and an application is on our website at www.arnewsline.org.

For now, with Bill Pasternak, WA6ITF, at the editors desk, I'm Roy Neal, K6DUE, thank you for listening." Amateur Radio Newsline(tm) is Copyright 2002. All rights reserved.

621. Re: IEEE802.11 for HAMs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-11 04:08:37 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0203110407260.21850-100000@exp.bde-arc.ampr.org>
Source record: 6745
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

...And just where were you when this was being discussed on
"rec.radio.amateur.policy" in January? Apparently, there are some amateurs and
many NON-amateurs who are doing things with these devices.....

On Sun, 10 Mar 2002, Guillaume Filion wrote:
>For some weeks now, I've been thinking (obscessed) about IEEE802.11 in
>the HAM radio bands. Searching the web and newsgroups with Google didn't
>show much talks about this, any ideas why?
>
>Here are some ideas I've come up with:
>
>First, here's a summary of the two present IEEE802.11 options:
>
>IEEE 802.11b (the most common)
>Freq range: 2.4 GHz
>Data rate: Up to 11 Mbps
>Range: 100 meters (omnidirectional)
>
>IEEE 802.11a
>Freq range: 5 GHz
>Data rate: Up to 54 Mbps
>Range: 50 meters (omnidirectional)
>
>What I'm looking for is something like:
>Freq range: UHF (around 800 MHz - in the ham radio freqs)
>Data rate: 3 Mbps (or whatever we can acheive)
>Range: 30 km (omnidirectional)
>
>
>We could use existing 802.11b controllers (like Cirrus Logic's CS22250)
>and we would only need to make our own Digital Radio PHY. I guess it
>would be best to make an adapter between standard HAM rig and the
>802.11b controller.
>
>Standard 802.11b uses the unlicensed 2.4 GHz band and must use Spread
>Spectrum (DSSS and FHSS) to cope with interferences caused by other
>devices using these unlicensed frequencies. This is different in a HAM
>radio situation, since:
>1) there should not be much interference (we'd use HAM licenced bands)
>2) we can legally emit a much stronger signal. I beleive that standard
>IEEE802.11b emits a 100mW signal, we could use 2W or more depending on
>the situation.
>Because of this, I guess it would be preferable to modulate the signal

>on one frequency (no spread spectrum).
>
>Any idea on how technically/legally feasable this is? This idea is more
>day dreaming than reality so don't be shy to day dream with me... 8)
>
>73,
>GFK's
>
>--
>Guillaume Filion
>Logidac Tech., Beaumont, Québec, Canada - http://logidac.com/
>PGP Key and more: http://guillaume.filion.org/ (this will redirect)
>PGP Fingerprint: 14A6 720A F7BA 6C87 2331 33FD 467E 9198 3DED D5CA
>

622. Re: IEEE802.11 for HAMs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-11 06:29:12 UTC
From: "Bascombe J. Wilson" <jay@disasters.org>
Message-ID: <a6hirm$ju6$1@nntp9.atl.mindspring.net>
Source record: 6746
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

Hi GF,

Intriguing concept.

There's a group working on similar schemes and they have lots of technical info at their web site.

They are located in Green Bay, Wisconsin (I think that's one of the southern provinces of Canada).

Their web site is: http://www.qsl.net/n9zia/index.html

73,
-- Jay, W�AIR

Bascombe J. Wilson, Practitioner Faculty
University of Phoenix Online

Email: jwilson03@email.uophx.edu

623. Re: IEEE802.11 for HAMs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-11 07:01:28 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <i0jo8uoig8rpb4lfbmrqqlh7q6v7dt2p8d@4ax.com>
Source record: 6747
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

On Sun, 10 Mar 2002 15:55:00 -0500, Guillaume Filion <gfk@logidac.com>
wrote:

>IEEE 802.11b (the most common)
>Freq range: 2.4 GHz
>Data rate: Up to 11 Mbps
>Range: 100 meters (omnidirectional)

The range figure sounds a bit high for non-LOS but a bit short for
line of sight paths, but let's assume that we can do 100 m with 100 mW
(+20 dBm) EiRP.

>What I'm looking for is something like:
>Freq range: UHF (around 800 MHz - in the ham radio freqs)
>Data rate: 3 Mbps (or whatever we can acheive)
>Range: 30 km (omnidirectional)

From the reduced data rate, add +5 dB of received signal power.

Due to the lower frequency, the path loss is reduced, add +10 dB.

Assuming non-obstructed LOS path (which are quite rare at 30 km) the
correction is -50 dB.

Adding it all up +20 dBm - (5 dB + 10 dB - 50 dB) = +55 dBm = 300 W of
transmitter power is required.

For non-unobstructed paths, add an additional 0 .. 50 dB to the path
loss (when going from true LOS to troposcatter), thus the required
transmitter power is far above the legal limit transmitter power. The
only realistic solution is to use directional antennas at one or both
ends of the link.

>Standard 802.11b uses the unlicensed 2.4 GHz band and must use Spread
>Spectrum (DSSS and FHSS) to cope with interferences caused by other
>devices using these unlicensed frequencies. This is different in a HAM
>radio situation, since:
>1) there should not be much interference (we'd use HAM licenced bands)

Are you talking about satellite to satellite or satellite to ground
communication, in which case even simple FSK/PSK might work with such
speeds ?

In communications between two stations on the ground, there is a huge
amount of interference due to multipath propagation. For any higher
data rates, some forms of spread spectrum or multicarrier (OFDM) is
definitely required, in addition to the normal bit interleaving and

ECC.

>2) we can legally emit a much stronger signal. I beleive that standard
>IEEE802.11b emits a 100mW signal, we could use 2W or more depending on
>the situation.

Still there is the 100 - 1500 W legal limit depending on the country.
High data rates and long distances require a considerable amount of
effective radiated power. If you insist on omnidirectional antennas,
the required transmitter power is enormous.

Paul OH3LWR

624. QST View run from the hard drive?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-11 13:13:09 UTC
From: "Louis Sica, Jr." <lsica@DONSENMENOSPAMattbi.com>
Message-ID: <F32j8.14484$Or3.1968651@typhoon.mn.ipsvc.net>
Source record: 6748
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.misc

Anyone ever figure out how to run QST view right from the hard drive,
without having to keep switching CD's? With today's big hard drives, storage
of course wouldn't be a problem

625. Re: QST View run from the hard drive?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-11 16:03:30 UTC
From: Dick Hughes <rhughes33@cableone.net>
Message-ID: <i6lp8u0gslvdgilgfgi261vcuo8jgclae5@4ax.com>
Source record: 6749

Don't know how they are set up to start, but just make individual
folders for each one, and copy the entire contents to the folder(s).
Then RUN the file that starts the program.

Dick - W6CCD

On Mon, 11 Mar 2002 13:13:09 GMT, "Louis Sica, Jr."
<lsica@DONSENMENOSPAMattbi.com> wrote:

>Anyone ever figure out how to run QST view right from the hard drive,
>without having to keep switching CD's? With today's big hard drives, storage
>of course wouldn't be a problem
>

626. HELP: APRS DIGI setup for Alinco DR-135TP

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-11 20:09:03 UTC
From: "Mitch, W4OA" <w4oa@vibroplex.com>
Message-ID: <u8q3ni9oeujh04@corp.supernews.com>
Source record: 6750

anyone using the DR-135TP as an APRS digi?
i would appreciate a copy of any digi setup
paramaters that have been found to work...

thanks
mitch, w4oa

627. Re: IEEE802.11 for HAMs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-11 21:31:22 UTC
From: Guillaume Filion <gfk@logidac.com>
Message-ID: <gfk-A0A640.16312211032002@news.videotron.net>
Source record: 6651
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

In article <u8nruc7nspdsc9@corp.supernews.com>, mike.luther@ziplog.com
wrote:
> >We could use existing 802.11b controllers (like Cirrus Logic's CS22250)
> >and we would only need to make our own Digital Radio PHY. I guess it
> >would be best to make an adapter between standard HAM rig and the
> >802.11b controller.
>
> Hmmmmm ...

What's the meaning of this Hmmmm? 8)
Anyway, let me explain more how I see it:
The Cirrus Logic CS22250 looks like a bridge controller between a
10baseT (802.3) network and a Wireless Network (802.11), it's pretty
hard to tell since no datasheet is avaiable on their web site. If I
understand their description correctly, on the LAN side, you need to use
a 10baseT controller (like the CS8900A). On the Digital Radio PHY side,
I wanted to put some kind of modem or adapter to connect it to a normal
HAM radio. Since I don't have a datasheet, it's pretty hard to tell if
it would work...

Ref:
CS22250: http://www.cirrus.com/design/products/overview/detail.cfm?d=277
CS8900A: http://www.cirrus.com/design/products/overview/detail.cfm?d=46

>[...]
>
> On top of what you are thinking, I'm a solid OS/2 operation .. While it
> is a WONDERFUL platform for mission critical stuff, the limited driver
> ability in some areas is a problem. Artem cards and Cisco cards are
> said to be fine with OS/2 and have drivers for OS/2. But, as you point
> out, the range is minimal. Even if we were to go forward with gain
> antennas made up for these cards, we still face the problem that feed
> line losses are really an issue.
>
> In my case, the path length needed is 15 statute miles line-of-site,
> more or less. That leaves the only real solution that I can see of
> running the whatever hardware combo as a pure 10base-whatever connection
> over the 150 feet or so to the shack. Then running the DC power up the
> minimal 60 foot towers to get to the unit-pack which will relay across
> ham band freqencies to where it is needed.
>
> In essence .. what is really needed is not only the protocol aware
> stuff, but a 10base-whatever boxlet which we can all use to reach out
> for the height to get wherever!

I'm not sure if I get your point here (especially the OS/2 stuff), but
I'll try an answer. The beauty of digital signals is that you can
reconstruct the signal rather than just amplify the signal+noise like
you do with analog signals. To prevent line loss, you should use the
digital signal for as long as possible and convert it to analog (with
the CS22250 for example) just next to the antenna.

> Once we get to 10base-whatever, the op-system inside it shouldn't be a
> problem for anyone .. Win or OS/2 or LINUX or UNIX or AIX or whatever!
> You have a node out there on the LAN. It does what it needs to do to be
> an interface ..
>
> Or am I all wrong here?

The CS22250 has a 10baseT connector, so anything that can speak 10baseT
can use this wireless bridge.

Not sure if that's what you asked for, but I still hope this helps, 8)
GFK's

--
Guillaume Filion
Logidac Tech., Beaumont, Qu&#65533;bec, Canada - http://logidac.com/
PGP Key and more: http://guillaume.filion.org/ (this will redirect)
PGP Fingerprint: 14A6 720A F7BA 6C87 2331 33FD 467E 9198 3DED D5CA

628. Re: IEEE802.11 for HAMs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-11 21:55:51 UTC
From: Guillaume Filion <gfk@logidac.com>
Message-ID: <gfk-44803B.16555111032002@news.videotron.net>
Source record: 6652
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

In article <i0jo8uoig8rpb4lfbmrqqlh7q6v7dt2p8d@4ax.com>,
Paul Keinanen <keinanen@sci.fi> wrote:

> On Sun, 10 Mar 2002 15:55:00 -0500, Guillaume Filion <gfk@logidac.com>
> wrote:
>
> >IEEE 802.11b (the most common)
> >Freq range: 2.4 GHz
> >Data rate: Up to 11 Mbps
> >Range: 100 meters (omnidirectional)
>
> The range figure sounds a bit high for non-LOS but a bit short for
> line of sight paths, but let's assume that we can do 100 m with 100 mW
> (+20 dBm) EiRP.
>
> >What I'm looking for is something like:
> >Freq range: UHF (around 800 MHz - in the ham radio freqs)
> >Data rate: 3 Mbps (or whatever we can acheive)
> >Range: 30 km (omnidirectional)
>
> From the reduced data rate, add +5 dB of received signal power.
>
> Due to the lower frequency, the path loss is reduced, add +10 dB.
>
> Assuming non-obstructed LOS path (which are quite rare at 30 km) the
> correction is -50 dB.
>
> Adding it all up +20 dBm - (5 dB + 10 dB - 50 dB) = +55 dBm = 300 W of
> transmitter power is required.
>
> For non-unobstructed paths, add an additional 0 .. 50 dB to the path
> loss (when going from true LOS to troposcatter), thus the required
> transmitter power is far above the legal limit transmitter power. The
> only realistic solution is to use directional antennas at one or both
> ends of the link.

Darn... 8(I'm pretty surprised that it takes that much power to send in
omni. Excuse my cluelessness, but how come amateurs communicate in the
800 MHz band with a repeater located at 20 km without line of sight
using a 1 W radio? Less bandwidth?

> >Standard 802.11b uses the unlicensed 2.4 GHz band and must use Spread
> >Spectrum (DSSS and FHSS) to cope with interferences caused by other
> >devices using these unlicensed frequencies. This is different in a HAM

> >radio situation, since:
> >1) there should not be much interference (we'd use HAM licenced bands)
>
> Are you talking about satellite to satellite or satellite to ground
> communication, in which case even simple FSK/PSK might work with such
> speeds ?
No, I'm talking about ground to ground communications.

> In communications between two stations on the ground, there is a huge
> amount of interference due to multipath propagation. For any higher
> data rates, some forms of spread spectrum or multicarrier (OFDM) is
> definitely required, in addition to the normal bit interleaving and
> ECC.

Darn... bis! 8) Now my cluelessness shows! And all that time I tought
that spread spectrum was only used to prevent frequency jamming and
severe interference. One of the reason that I didn't want to use spread
spectrum was not to pollute the frequency space. Is spread spectrum (of
OFDM) possible on only a few frequencies?

>
> >2) we can legally emit a much stronger signal. I beleive that standard
> >IEEE802.11b emits a 100mW signal, we could use 2W or more depending on
> >the situation.
>
> Still there is the 100 - 1500 W legal limit depending on the country.
> High data rates and long distances require a considerable amount of
> effective radiated power. If you insist on omnidirectional antennas,
> the required transmitter power is enormous.
>
> Paul OH3LWR
>

I don't think that this would be possible to emit a 300 W signal,
espicially on a mobile application...

GFK's

--
Guillaume Filion
Logidac Tech., Beaumont, Quebec, Canada - http://logidac.com/
PGP Key and more: http://guillaume.filion.org/ (this will redirect)
PGP Fingerprint: 14A6 720A F7BA 6C87 2331 33FD 467E 9198 3DED D5CA

629. Re: IEEE802.11 for HAMs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-12 00:43:51 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <u7hq8usga4hlvekcc2460aqggk4te7asg6@4ax.com>
Source record: 6653
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

On Mon, 11 Mar 2002 16:55:51 -0500, Guillaume Filion <gfk@logidac.com>
wrote:

>> From the reduced data rate, add +5 dB of received signal power.
>>
>> Due to the lower frequency, the path loss is reduced, add +10 dB.
>>
>> Assuming non-obstructed LOS path (which are quite rare at 30 km) the
>> correction is -50 dB.
>>
>> Adding it all up +20 dBm - (5 dB + 10 dB - 50 dB) = +55 dBm = 300 W of
>> transmitter power is required.
>>
>> For non-unobstructed paths, add an additional 0 .. 50 dB to the path
>> loss (when going from true LOS to troposcatter), thus the required
>> transmitter power is far above the legal limit transmitter power. The
>> only realistic solution is to use directional antennas at one or both
>> ends of the link.
>
>Darn... 8(I'm pretty surprised that it takes that much power to send in
>omni. Excuse my cluelessness, but how come amateurs communicate in the
>800 MHz band with a repeater located at 20 km without line of sight
>using a 1 W radio? Less bandwidth?

The noise density (the noise power in a 1 Hz bandwidth) is usually
constant for a frequency band and a particular receiver. The total
noise power is directly proportional to bandwidth. Since you want a
positive signal to noise ratio, in order to be able to extract some
actual data from the receiver, the received signal power must also be
proportional to the bandwidth and hence, the transmitted power must be
proportional to bandwidth.

In an ideal line of sight condition, the received power is
proportional to the inverse square of distance. When communicating
within a city at street level, the received power proportional to
about the inverse third or fourth power of distance.

If we assume that the receiver bandwidth for the 1 W phone radio is 10
kHz and the receiver bandwidth (after despreading) is 10 MHz for the
IEEE 802.11b WLAN, thus 1000 times more power would be required for
the same signal to noise ratio.

Assuming LOS, going from 20 km to 30 km the transmitter power must be
multiplied by 2.25, thus comparing to this 1 W phone radio 20 km
example, the required transmitter power would be 1W * 1000 * 2.25 =

2250 W, which is a bit more than the 300 W that I initially estimated:-).

>> In communications between two stations on the ground, there is a huge
>> amount of interference due to multipath propagation. For any higher
>> data rates, some forms of spread spectrum or multicarrier (OFDM) is
>> definitely required, in addition to the normal bit interleaving and
>> ECC.
>
>Darn... bis! 8) Now my cluelessness shows! And all that time I tought
>that spread spectrum was only used to prevent frequency jamming and
>severe interference. One of the reason that I didn't want to use spread
>spectrum was not to pollute the frequency space. Is spread spectrum (of
>OFDM) possible on only a few frequencies?

The multipath cancellation is very frequency selective (actually wavelength selective), thus it is important that sufficient amount of signal power is outside of these nulls in order to be able to reconstruct the signal using interleaving and ECC. Note that in practice, the path length will constantly vary, thus the multipath nulls jump around.

Paul OH3LWR

630. Re: QST View run from the hard drive?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-12 00:46:21 UTC
From: "Louis Sica, Jr." <lsica@DONSENMENOSPAMattbi.com>
Message-ID: <xdcj8.14547$Or3.2002011@typhoon.mn.ipsvc.net>
Source record: 6654

Already tried that. Program still looks for the CD

"Dick Hughes" <rhughes33@cableone.net> wrote in message
news:i6lp8u0gslvdgilgfgi261vcuo8jgclae5@4ax.com...
> Don't know how they are set up to start, but just make individual
> folders for each one, and copy the entire contents to the folder(s).
> Then RUN the file that starts the program.
>
> Dick - W6CCD
>
> On Mon, 11 Mar 2002 13:13:09 GMT, "Louis Sica, Jr."
> <lsica@DONSENMENOSPAMattbi.com> wrote:
>
> >Anyone ever figure out how to run QST view right from the hard drive,
> >without having to keep switching CD's? With today's big hard drives,
storage
> >of course wouldn't be a problem
> >
>

631. Re: QST View run from the hard drive?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-12 02:39:27 UTC
From: Dick Hughes <rhughes33@cableone.net>
Message-ID: <mfqq8u4gcnqifnn86npfp307cp14mn7b5k@4ax.com>
Source record: 6655

What is the name of the start file? If it is a text file you may be
able to modify it to point to your C drive. Or there could be an .ini
file that can be changed. Has to be a way.

Dick - W6CCD

On Tue, 12 Mar 2002 00:46:21 GMT, "Louis Sica, Jr."
<lsica@DONSENMENOSPAMattbi.com> wrote:

>Already tried that. Program still looks for the CD
>
>"Dick Hughes" <rhughes33@cableone.net> wrote in message
>news:i6lp8u0gslvdgilgfgi261vcuo8jgclae5@4ax.com...
>> Don't know how they are set up to start, but just make individual
>> folders for each one, and copy the entire contents to the folder(s).
>> Then RUN the file that starts the program.
>>
>> Dick - W6CCD
>>
>> On Mon, 11 Mar 2002 13:13:09 GMT, "Louis Sica, Jr."
>> <lsica@DONSENMENOSPAMattbi.com> wrote:
>>
>> >Anyone ever figure out how to run QST view right from the hard drive,
>> >without having to keep switching CD's? With today's big hard drives,
>storage
>> >of course wouldn't be a problem
>> >
>>
>

632. 56K packet equipment

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-12 03:16:46 UTC
From: woof@dawg.com
Message-ID: <oosq8uk4nbjsk267j3hi9vcepkuu0pi99k@4ax.com>
Source record: 6656
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.swap

For sale: Paccomm 56K WA4DSY "GRAPES" modem + cable
for PI/2 card. In excellent condition. $275 shipped to lower 48
states.

Also Microwave Modules 10 meter to 222 transverter used with above
items + cables. In excellent condition. Includes extra crystal for
use on 218-219 MHz fixed link band segment. $150 shipped with
purchase of GRAPES modem; will not sell separately until modem is
sold.

Call Jim at 716-381-3102 (evenings before 9 PM) or 716-231-2417 (work)
or email to ZZZjim_cronin@juno.comZZZ
(remove ZZZ on front and back to reply.)

73,
Jim
N2VNO

633. Re: 56K packet equipment

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-12 10:11:09 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna8rl1s.n12.nomail@linux.pe1chl.ampr.org>
Source record: 6657
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.swap

woof@dawg.com <woof@dawg.com> wrote:
>For sale: Paccomm 56K WA4DSY "GRAPES" modem + cable
>for PI/2 card. In excellent condition. $275 shipped to lower 48
>states.

>Also Microwave Modules 10 meter to 222 transverter used with above
>items + cables. In excellent condition. Includes extra crystal for
>use on 218-219 MHz fixed link band segment. $150 shipped with
>purchase of GRAPES modem; will not sell separately until modem is
>sold.

It looks like you are not going to sell the modem...

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

634. Hi Great site! re: fwd: Check out this site!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-12 12:23:51 UTC
From: kevin_wolf1975@yahoo.com
Message-ID: <86198569.0203120423.555a443c@posting.google.com>
Source record: 6658

I hope you find it useful.

>peter_1979_smith@yahoo.com (Peter Smith) wrote:
>
> Just found myself a job from JobNext.com!!! Thought you might want
> to check it out.
>
> Click here to find yourself a job:
> http://www.jobnext.com/vip/findagoodjob
>
> You may also join the JobNext.com Affiliate Network here:
>
http://affiliates.jobnext.com/cgi-bin/partners/signup.cgi?ac=vipsign&refuser=findagoodjob
>
>
> ~ Peter :-)

635. Re: 56K packet equipment

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-12 12:27:51 UTC
From: Tony Hoffman <thoffman@cox.net>
Message-ID: <bvmj8.14556$4H5.1047697@news1.east.cox.net>
Source record: 6659
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.swap

The dumb fuck has been on this list for over two years
trying to peddle this crap. Even people in his local area
know to stay away from him. It's just SPAM now.

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote
> >For sale: Paccomm 56K WA4DSY "GRAPES" modem + cable
> >for PI/2 card. In excellent condition. $275 shipped to lower 48
> >states.
>
> It looks like you are not going to sell the modem...

636. Re: IEEE802.11 for HAMs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-12 18:54:20 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna8sjms.oto.nomail@linux.pe1chl.ampr.org>
Source record: 6660
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

Paul Keinanen <keinanen@sci.fi> wrote:
>Assuming LOS, going from 20 km to 30 km the transmitter power must be
>multiplied by 2.25, thus comparing to this 1 W phone radio 20 km
>example, the required transmitter power would be 1W * 1000 * 2.25 =
>2250 W, which is a bit more than the 300 W that I initially
>estimated:-).

But the s/n ratio can probably be less for QPSK than would be comfortable
for voice, so your estimate wasn't that bad.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

637. 56K packet equipment

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-13 00:56:14 UTC
From: ZZZjim_cronin@juno.comZZZ
Message-ID: <or8t8uot21tj41fjiah2ru07pq9qu1ggnb@4ax.com>
Source record: 6661

For sale: Paccomm 56K WA4DSY "GRAPES" modem + cable
for PI/2 card. In excellent condition. $250 shipped to lower 48
states.

Call Jim at 716-381-3102 (evenings before 9 PM) or 716-231-2417 (work)
or email to ZZZjim_cronin@juno.comZZZ
(remove ZZZ on front and back to reply.)

73,
Jim
N2VNO

638. Re: 56K packet equipment

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-13 05:04:23 UTC
From: Tony Hoffman <thoffman@cox.net>
Message-ID: <r5Bj8.17638$4H5.1224283@news1.east.cox.net>
Source record: 6662

250! Say again? Your signal is 3 and 3. Can I send Morse Code with it?

jim_cronin@juno.com wrote
> For sale: Paccomm 56K WA4DSY "GRAPES" modem + cable
> for PI/2 card. In excellent condition. $250 shipped to lower 48
> states.
> Jim
> N2VNO

639. Re: IEEE802.11 for HAMs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-13 07:01:07 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <t8rt8ugr6u6ji9omld71c43igqd6jj9o3n@4ax.com>
Source record: 6663
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

On 12 Mar 2002 18:54:20 GMT, nomail@pe1chl.ampr.org (Rob Janssen)
wrote:

>Paul Keinanen <keinanen@sci.fi> wrote:
>>Assuming LOS, going from 20 km to 30 km the transmitter power must be
>>multiplied by 2.25, thus comparing to this 1 W phone radio 20 km
>>example, the required transmitter power would be 1W * 1000 * 2.25 =
>>2250 W, which is a bit more than the 300 W that I initially
>>estimated:-).
>
>But the s/n ratio can probably be less for QPSK than would be comfortable
>for voice, so your estimate wasn't that bad.

I very much doubt that a 1 W HT 20 km from a repeater would have a
clean LOS (above first Fresnel zone) path, so the practical loss is
larger than the free space attenuation.

Anyway, the difference between 300 W and 2250 W is less than 10 dB,
which in many cases is used as the fade margin to get even some kind
of reliability in varying tropospheric conditions. The rule of thumb
is that if the reliability requirement is 90%, 99%, 99,9% or 99.99%,
the fade margin has to be increased each time by 10 dB (multiply the
transmitter power by 10).

If 99% reliability is sufficient for a single hop connection, the end
to end connection reliability is only 95% if 5 hops are required,
thus, the reliability of individual hops must be improved if multiple
hops are used.

If IEEE802.11b based technology is going to be used on ham bands, I
can only think of point to point links with directional antennas (on
one or) both ends of the link to reach from one ham to an other ham.
Still it is a good idea to allow for a 10-20 dB fade margin above the
free space loss figures, even if there appears to be a LOS path.

Paul OH3LWR

640. From the ISS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-13 14:21:18 UTC
From: sstvswl <sstvswl@attbi.com>
Message-ID: <yfJj8.31530$af7.24982@rwcrnsc53>
Source record: 6664

```
Received into Ogden, Utah via ISS digipeater.

2:Fm RS0ISS-1 To XE2ARF-4 <RR P/F R2 >[02:07:34]
2:Fm N7MAL To CQ Via RS0ISS*,DM25QC <UI pid=F0 Len=37 >[02:07:40]
>DM25QC/-:ALL------: n7mal@arrl.net

2:Fm WD5EEV To CQ Via RS0ISS*,EM00JB <UI pid=F0 Len=1 >[02:07:40]

2:Fm RS0ISS-1 To XE2ARF-4 <RR P/F R2 >[02:07:41]
2:Fm WD5EEV To CQ Via RS0ISS*,EM00JB <UI pid=F0 Len=1 >[02:07:55]

2:Fm RS0ISS To CQ <UI pid=F0 Len=31 >[02:08:04]
F1AHH USER 02/03/13 07:31

2:Fm XE2ARF-4 To CQ Via RS0ISS* <UI pid=F0 Len=36 >[02:08:45]
>DL81uv/- Fernando/xe2arf@amsat.org

2:Fm N7MAL To CQ Via RS0ISS*,DM25QC <UI pid=F0 Len=1 >[02:08:50]

2:Fm N7MAL To CQ Via RS0ISS*,DM25QC <UI pid=F0 Len=37 >[02:08:57]
>DM25QC/-:ALL------: n7mal@arrl.net

2:Fm XE2ARF-4 To CQ Via RS0ISS* <UI pid=F0 Len=10 >[02:08:59]
>DL81uv/-

2:Fm N7MAL To CQ Via RS0ISS*,DM25QC <UI pid=F0 Len=37 >[02:09:03]
>DM25QC/-:ALL------: n7mal@arrl.net

2:Fm N7MAL To CQ Via RS0ISS*,DM25QC <UI pid=F0 Len=48 >[02:09:26]
>dm25qc/-:ALL------: de N7MAL BULLHEAD CITY, AZ

2:Fm N7MAL To CQ Via RS0ISS*,DM25QC <UI pid=F0 Len=1 >[02:09:48]

2:Fm WA6LIE-3 To AP30 Via RS0ISS* <UI pid=F0 Len=56 >[03:44:51]
;ISS_ 68 *131045z4508.08N\10542.97WS060/999/at 131045z

2:Fm W8IX To DIT Via RS0ISS* <UI pid=F0 Len=32 >[03:45:36]
!4026.11N/08611.36W- CQ via ISS

2:Fm W8IX To DIT Via RS0ISS* <UI pid=F0 Len=43 >[03:45:57]
!4026.11N/08611.36W- 73 to all from Kokomo

2:Fm KD6PLI To CM87XX Via RS0ISS* <UI pid=F0 Len=46 >[05:20:46]
!3757.24N/12202.84Wy/ hello to all from randy

2:Fm WA6LIE-3 To AP30 Via RS0ISS* <UI pid=F0 Len=56 >[05:20:47]
;ISS_ 68 *131221z5025.65N\10930.73WS076/999/at 131221z
```

2:Fm KI6ON-1 To CQ Via RS0ISS* <UI pid=F0 Len=8 >[05:20:50]
gm scott

641. Digital Communications : Modulation Recognition and frequency spectrum

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-13 14:51:35 UTC
From: john_james@email.com
Message-ID: <237340ff.0203130651.245799d9@posting.google.com>
Source record: 6665
Cross-posted to:
comp.dsp,rec.radio.amateur.digital.misc,sci.electronics.basics,rec.radio.amateur.antenna,aus.radio.amateur.digital

Hi,
I am looking for a practical approach of modulation recognition of a
signal using its frequency spectrum. I need a practical approach but
any help in theoretical areas will be welcomed too.
Bests,
John

642. Re: Digital Communications : Modulation Recognition and frequency spectrum

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-13 15:26:46 UTC
From: Markus L <uo9oew@lnubb.pbz>
Message-ID: <3c8f6f9b$0$225$4d4ebb8e@read-nat.news.nl.uu.net>
Source record: 6666
Cross-posted to:
comp.dsp,rec.radio.amateur.digital.misc,sci.electronics.basics,rec.radio.amateur.antenna,aus.radio.amateur.digital

Get the sound samples of all common digi modes from
http://www.geocities.com/CapeCanaveral/Cockpit/2800/digital/
and convert them into spectra using any FFT software!

73, Markus HB9BRJ
--
e-mail address is ROT13 encoded. Decode before replying.

"John" <john_james@email.com> wrote in message
news:237340ff.0203130651.245799d9@posting.google.com...
> Hi,
> I am looking for a practical approach of modulation recognition of a
> signal using its frequency spectrum. I need a practical approach but
> any help in theoretical areas will be welcomed too.
> Bests,
> John
>

643. PaKet62 and PK900

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-13 19:54:58 UTC
From: appld@sk.sympatico.ca
Message-ID: <3c8fac90.22256219@news.sk.sympatico.ca>
Source record: 6667

I am attempting to use the Pk900 and PaKet62 for both vhf and hf packet. However, I am not able to cause the streams to switch between vhf and hf. In other words, the default is vhf, I cannot make it switch to the hf stream. All the options appear to be right in the tnc and PaKet. I have also tried a KAM on it, and it won't switch either.I can switch the streams to monitor packets via the keyboard.

If I use a small terminal programm called Packcom, the stream switch works just like the book says. I have a feeling I can't see the forest for the trees and have missed some small detail. Has any body got an idea of what Iam missing here or what I should look at?

Thanks

Doug VE5DA

644. Re: Digital Communications : Modulation Recognition and frequency spectrum

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-13 21:45:08 UTC
From: jrayala@hotmail.com
Message-ID: <18a9fced.0203131345.3ca6f7cb@posting.google.com>
Source record: 6668
Cross-posted to:
comp.dsp,rec.radio.amateur.digital.misc,sci.electronics.basics,rec.radio.amateur.antenna,aus.radio.amateur.digital

john_james@email.com (John) wrote in message
news:<237340ff.0203130651.245799d9@posting.google.com>...
> Hi,
> I am looking for a practical approach of modulation recognition of a
> signal using its frequency spectrum. I need a practical approach but
> any help in theoretical areas will be welcomed too.
> Bests,
> John

John,

If you are not too particular about algorithms based only on frequency spectrum, the following paper has a couple of algorithms using neural networks. The same authors also have a book on the subject (See the references). Hope this helps..

A. K. Nandi and E. E. Azzouz, "Algorithms for Automatic Modulation Recognition of Communication Signals," IEEE Trans. on Communications, vol 46, pp 431-436 April 1998.

Jitendra

645. Re: QST View run from the hard drive?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-13 22:20:24 UTC
From: Terry L Anderson <tlan0@runestone.net>
Message-ID: <IgQj8.350$Pa1.71660@news7.onvoy.net>
Source record: 6669
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.misc

Louis,

Take and copy the whole CD to a directory on the hard drive, then install
the program from that directory. Should work.

Terry

Louis Sica, Jr. wrote in message ...
>Anyone ever figure out how to run QST view right from the hard drive,
>without having to keep switching CD's? With today's big hard drives,
storage
>of course wouldn't be a problem
>
>

646. Re: IEEE802.11 for HAMs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-13 23:51:53 UTC
From: Guillaume Filion <gfk@logidac.com>
Message-ID: <gfk-06D499.18515313032002@news.videotron.net>
Source record: 6671
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

In article <u7hq8usga4hlvekcc2460aqggk4te7asg6@4ax.com>,
Paul Keinanen <keinanen@sci.fi> wrote:
> On Mon, 11 Mar 2002 16:55:51 -0500, Guillaume Filion <gfk@logidac.com>
> wrote:
> >Darn... 8(I'm pretty surprised that it takes that much power to send in
> >omni. Excuse my cluelessness, but how come amateurs communicate in the
> >800 MHz band with a repeater located at 20 km without line of sight
> >using a 1 W radio? Less bandwidth?
>
> The noise density (the noise power in a 1 Hz bandwidth) is usually
> constant for a frequency band and a particular receiver. The total
> noise power is directly proportional to bandwidth. Since you want a
> positive signal to noise ratio, in order to be able to extract some
> actual data from the receiver, the received signal power must also be
> proportional to the bandwidth and hence, the transmitted power must be
> proportional to bandwidth.
>
> In an ideal line of sight condition, the received power is
> proportional to the inverse square of distance. When communicating
> within a city at street level, the received power proportional to
> about the inverse third or fourth power of distance.

Ha ok! Thanks a lot for the infos, Paul. I'll go to sleep a bit smarter
tonight! 8)

So, considering what you just told me, more realistic specifications
would be:
Freq range: UHF (around 800-900 MHz - in the ham radio freqs)
Data rate: 2 Mbps
Range: 10 km (omnidirectional, more if directional)

Because of the reduced range, the required power would be at least 9
times less than at 30 km. I reduced the rata rate since I discovered
that the original IEEE802.11 was 2 Mbps, so it would be likely to use
this. The estimates drops down to 300W/9 * 2/3 = 22W. This is still 10
times more than I initially wanted, but at least this is legal. One of
my main goal with was mobile operations, and 22W is a lot of power to
get from a battery. 8(Any suggestion on how I could reduce the power
needed?

Meanwhile I followed Bascombe Wilson's (WOAIR) advise and retook a look
at Green Bay Professional Packet Radio web site and found some
interesting hacks to make to existing IEEE802.11 equipment. One hack
that is really interesting is the 2.4 GHz to 900 MHz transverter

(http://www.qsl.net/n9zia/2400-to-900.html), with proper amplification
that could do what I'm looking for. Of course this project is
untested... 8(

Using the 900 MHz bands I could do spread sprectrum in the 2nd class HAM
frequencies in that band (902 - 928 MHz in Americas:
http://www.rac.ca/902MHz.htm).

Thanks and 73,
GFK's

--
Guillaume Filion
Logidac Tech., Beaumont, Quebec, Canada - http://logidac.com/
PGP Key and more: http://guillaume.filion.org/ (this will redirect)
PGP Fingerprint: 14A6 720A F7BA 6C87 2331 33FD 467E 9198 3DED D5CA

647. 56K packet equipment

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-13 23:55:54 UTC
From: ZZZjim_cronin@juno.comZZZ
Message-ID: <ampv8u878nrt5qtb5vdq4omg17divbkubk@4ax.com>
Source record: 6670

For sale: Paccomm 56K WA4DSY "GRAPES" modem + cable
for PI/2 card. In excellent condition. $250 shipped to lower 48
states.

Call Jim at 716-381-3102 (evenings before 9 PM) or 716-231-2417 (work)
or email to ZZZjim_cronin@juno.comZZZ
(remove ZZZ on front and back to reply.)

73,
Jim
N2VNO

648. Packet from ISS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-14 02:06:46 UTC
From: sstvswl <sstvswl@attbi.com>
Message-ID: <WATj8.34826$ZR2.17998@rwcrnsc52.ops.asp.att.net>
Source record: 6672
Body handling: HTML body converted to readable text

Here are some more logs from today.

2:Fm RS0ISS-1 To N7GCW [08:31:42]
2:Fm RS0ISS-1 To N7GCW [08:31:45]
2:Fm KI7ER To CQ Via RS0ISS* [08:32:07]
!4431.94N/12315.69W-Hello From Dan - Corvallis, OR

2:Fm RS0ISS-1 To N7GCW [08:32:11]
2:Fm RS0ISS To CQ [08:32:11]
>ARISS - International Space Station

2:Fm RS0ISS-1 To N7GCW [08:32:12]
Logged on to RS0ISS's Personal Message System

2:Fm RS0ISS-1 To N7GCW [08:32:12]
on board the International Space Station

2:Fm RS0ISS-1 To N7GCW [08:32:12]
CMD(B/H/J/K/KM/L/M/R/S/SB/SP/ST/SR/V/?)>

2:Fm RS0ISS-1 To N7GCW [08:32:16]
2:Fm RS0ISS-1 To N7GCW [08:32:18]
Logged on to RS0ISS's Personal Message System

2:Fm RS0ISS-1 To N7GCW [08:32:19]
on board the International Space Station

2:Fm RS0ISS-1 To N7GCW [08:32:19]
CMD(B/H/J/K/KM/L/M/R/S/SB/SP/ST/SR/V/?)>

2:Fm VE7MKF To CQ Via RS0ISS* [08:32:23]
Hi Dan on Oregon

2:Fm RS0ISS-1 To N7GCW [08:32:23]
2:Fm RS0ISS-1 To N7GCW [08:32:23]
Msg # Stat Date Time To From @ BBS Subject

2:Fm RS0ISS-1 To N7GCW [08:32:24]
164 PR 02/03/13 11:26 ALL VK5ZK Greetings from VK5ZK

2:Fm W7LGK To LONNY Via RS0ISS* [08:32:27]
!4807.37N/12329.04W- Morning from Lonny:Port Angeles,WA!

2:Fm RS0ISS-1 To N7GCW [08:32:28]
2:Fm RS0ISS-1 To N7GCW [08:32:34]
Msg # Stat Date Time To From @ BBS Subject

2:Fm RS0ISS-1 To N7GCW [08:32:35]
164 PR 02/03/13 11:26 ALL VK5ZK Greetings from VK5ZK

2:Fm RS0ISS-1 To N7GCW [08:32:35]
163 B 02/03/13 10:16 ALL N6CO 2 Line ISS Keps 3-13

2:Fm RS0ISS-1 To N7GCW [08:32:36]
162 P 02/03/13 09:05 RS0ISS F5ASD hello...

2:Fm RS0ISS-1 To N7GCW [08:32:38]
Msg # Stat Date Time To From @ BBS Subject

2:Fm RS0ISS-1 To N7GCW [08:32:38]
164 PR 02/03/13 11:26 ALL VK5ZK Greetings from VK5ZK

2:Fm RS0ISS-1 To N7GCW [08:32:39]
163 B 02/03/13 10:16 ALL N6CO 2 Line ISS Keps 3-13

2:Fm RS0ISS-1 To N7GCW [08:34:19]
2:Fm WA6NAO To CQ Via RS0ISS*,JIM,CM98GP,SACTO,CA,35W,VERT [08:34:23]

2:Fm RS0ISS-1 To N7GCW [08:34:23]
2:Fm RS0ISS-1 To N7GCW [08:34:29]
2:Fm KI6ON-1 To CQ Via RS0ISS* [08:34:46]
Joe - KI6ON Santa Clara CA USA

2:Fm N7GCW To CQ Via RS0ISS*,EDISON,DN08PS [08:34:55]
GM from Republic, Wa.

2:Fm N7GCW To CQ Via RS0ISS*,EDISON,DN08PS [08:35:04]
Hi Lonny!

2:Fm WA6NAO To CQ Via RS0ISS*,JIM,CM98GP,SACTO,CA,35W,VERT [08:35:06]

2:Fm W7LGK To LONNY Via RS0ISS* [08:35:21]
!4807.37N/12329.04W- Morning de Lonny:Port Angeles,WA!

2:Fm W7LGK To LONNY Via RS0ISS* [08:35:34]

2:Fm W7LGK To LONNY Via RS0ISS* [08:35:34]

2:Fm W7LGK To LONNY Via RS0ISS* [08:35:35]

2:Fm W7LGK To LONNY Via RS0ISS* [08:35:35]

2:Fm RS0ISS-1 To N7GCW [08:35:39]
2:Fm RS0ISS-1 To N7GCW [08:35:43]
Stat : PR

2:Fm RS0ISS-1 To N7GCW [08:35:44]
Posted : 02/03/13 11:26

2:Fm RS0ISS-1 To N7GCW [08:35:44]
To : ALL

2:Fm RS0ISS-1 To N7GCW [08:35:47]
@ BBS :

```
2:Fm RS0ISS-1 To N7GCW [08:35:51]
2:Fm RS0ISS-1 To N7GCW [08:35:59]
2:Fm RS0ISS-1 To N7GCW [08:36:09]
2:Fm RS0ISS To CQ [08:36:11]
>ARISS - International Space Station

2:Fm RS0ISS-1 To N7GCW [08:36:12]
2:Fm RS0ISS-1 To N7GCW [08:36:27]
2:Fm RS0ISS-1 To N7GCW [08:36:34]
2:Fm RS0ISS To CQ [08:36:56]
@ BBS :

2:Fm RS0ISS To CQ [08:36:56]
xID :

2:Fm KC8DXZ To CQ Via RS0ISS*,EM89WI [08:37:44]
>EM89WI/K 73s to all KC8DXZ Athens(OH) High School ARC. N8SUZ@arrl.net sysop

2:Fm KC8DXZ To CQ Via RS0ISS*,EM89WI [08:37:52]
>EM89WI/K 73s to all KC8DXZ Athens(OH) High School ARC. N8SUZ@arrl.net sysop

2:Fm KB8KPV To CQ Via RS0ISS*,EN75MH [08:38:01]
:EMAIL jvo@freeway.net
[D[D[D[D[D[D[D[D[D[D[D[D[D[D[D[D[D:[C[C[C[C[C[C[C[C[D
[D[D[D[D[D[D[Dj[C

2:Fm KC8DXZ To CQ Via RS0ISS*,EM89WI [08:38:04]
>EM89WI/K 73s to all KC8DXZ Athens(OH) High School ARC. N8SUZ@arrl.net sysop

2:Fm RS0ISS-1 To N7GCW [10:11:22]
2:Fm RS0ISS-1 To N7GCW [10:11:36]
2:Fm RS0ISS-1 To N7GCW [10:12:12]
2:Fm RS0ISS-1 To N7GCW [10:12:12]
Stat : PR

2:Fm RS0ISS-1 To N7GCW [10:12:12]
Posted : 02/03/13 11:26

2:Fm RS0ISS-1 To N7GCW [10:12:12]
To : ALL

2:Fm RS0ISS-1 To N7GCW [10:12:13]
From : VK5ZK

2:Fm RS0ISS-1 To N7GCW [10:12:15]
Stat : PR

2:Fm RS0ISS-1 To N7GCW [10:12:15]
Posted : 02/03/13 11:26

2:Fm RS0ISS-1 To N7GCW [10:12:15]
To : ALL

2:Fm RS0ISS-1 To N7GCW [10:12:16]
From : VK5ZK
```

2:Fm RS0ISS-1 To N7GCW [10:12:20]
@ BBS :

2:Fm WA6NAO To CQ Via RS0ISS*,JIM,CM98GP,SACTO,CA,35W,VERT [10:12:23]

2:Fm RS0ISS-1 To N7GCW [10:12:24]
2:Fm RS0ISS-1 To N7GCW [10:12:32]
2:Fm RS0ISS-1 To N7GCW [10:12:46]
2:Fm W7JPI To LEO Via RS0ISS* [10:12:52]
Good Day to All Via the ISS de Leo in Arizona ! ! ! !

2:Fm RS0ISS-1 To N7GCW [10:12:53]
2:Fm RS0ISS-1 To N7GCW [10:12:55]
2:Fm WA6LIE-3 To AP30 Via RS0ISS* [10:12:58]
:BLN1 :QSL,RS0ISS,RS0ISS,N7MAL,XE2ARF,KI6ON,W6OTH,W7JPI

2:Fm RS0ISS-1 To N7GCW [10:12:58]
2:Fm RS0ISS-1 To N7GCW [10:13:00]
Hi All from Garry VK5ZK

2:Fm RS0ISS-1 To N7GCW [10:13:01]
2:Fm RS0ISS-1 To N7GCW [10:13:01]
2:Fm RS0ISS-1 To N7GCW [10:13:01]
2:Fm RS0ISS-1 To N7GCW [10:13:07]
2:Fm N9OEW To CQ Via RS0ISS* [10:13:32]
!4355.36N/08956.21W/Experimental Station PSE QSL IF HEARD-- n9oew@arrl.net.

2:Fm W6BME To ISS Via RS0ISS* [10:13:41]

2:Fm RS0ISS-1 To N7GCW [10:13:45]
2:Fm VE4KGB To APW251 Via RS0ISS* [10:13:49]
=5027.35N\09657.23WUPHG3294/WinAPRS 2.5.1 Dunnottar, Mb, Ca
VE4KGB@rac.ca -251-<530>

2:Fm WA6NAO To CQ Via RS0ISS*,JIM,CM98GP,SACTO,CA,35W,VERT [10:13:51]

2:Fm W7JPI To LEO Via RS0ISS* [10:14:00]
=3140.37N/11036.36W (DM41qq)

2:Fm RS0ISS-1 To N7GCW [10:14:02]
2:Fm RS0ISS-1 To N7GCW [10:14:03]
2:Fm WA6NAO To CQ Via RS0ISS*,JIM,CM98GP,SACTO,CA,35W,VERT [10:14:05]

2:Fm W7JPI To LEO Via RS0ISS* [10:14:14]
Sonoita, AZ w7jpi@theriver.com

2:Fm KD5PNN To STEVE Via RS0ISS* [10:14:54]
Greetings from Leander TX 25 mi NW of Austin

2:Fm WA6YET To WAYNE Via RS0ISS* [10:14:54]
18914

2:Fm W7JPI To LEO Via RS0ISS* [10:15:00]
<<<< DIAMOND RANCH >>>>

2:Fm RS0ISS-1 To N7GCW [10:15:43]
2:Fm W7JPI To LEO Via RS0ISS* [10:15:56]
<<<< DIAMOND RANCH >>>>

2:Fm -2 To -3 Via ,-15*,-2 [DAMA] [EAX25]>[11:15:22]
2:Fm N7MAL To CQ Via RS0ISS*,DM25QC [11:48:53]
>dm25qc/-:ALL------: de N7MAL BULLHEAD CITY, AZ

2:Fm N7MAL To CQ Via RS0ISS*,DM25QC [11:48:59]

2:Fm W2AZD To N7MAL Via RS0ISS* [11:49:38]
2:Fm W2AZD To WBFZH Via RS0ISS* [11:49:42]
2:Fm N7MAL To CQ Via RS0ISS*,DM25QC [11:49:46]
>dm25qc/-:ALL------: de N7MAL BULLHEAD CITY, AZ

2:Fm W2AZD To N7MAL Via RS0ISS* [11:49:55]
2:Fm W2AZD To WA6LIE Via RS0ISS* [11:50:01]
2:Fm N7MAL To W2AZD Via RS0ISS* [11:50:33]

649. Re: 56K packet equipment

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-14 08:30:58 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna90nu2.458.nomail@linux.pe1chl.ampr.org>
Source record: 6673

ZZZjim_cronin@juno.comZZZ <ZZZjim_cronin@juno.comZZZ> wrote:
>For sale: Paccomm 56K WA4DSY "GRAPES" modem + cable
>for PI/2 card. In excellent condition. $250 shipped to lower 48
>states.

Hey, you sold the transverter separately???
--
+---------------------------------+-------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+---------------------------------+-------------------------------------+

650. Require Beta Testers

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-14 13:56:13 UTC
From: Dave <g3vfp@blueyonder.co.uk>
Message-ID: <1_1k8.16914$nk4.726470@news-binary.blueyonder.co.uk>
Source record: 6674

Hi.

Do you have an interest in internet / radio linking. Do you wish to
contribute to a new system similar to ILRP, or iLINK.

Please contact me directly.

Regards,

Dave.

651. Re: 56K packet equipment

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-14 14:06:26 UTC
From: Tony Hoffman <thoffman@cox.net>
Message-ID: <C72k8.21535$4H5.1521703@news1.east.cox.net>
Source record: 6675

SPAM.

jim_cronin@juno.com wrote
> For sale: Paccomm 56K WA4DSY "GRAPES" modem + cable
> for PI/2 card. In excellent condition. $250 shipped to lower 48
> states.

652. Re: IEEE802.11 for HAMs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-14 21:00:05 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <3fa09u0simp0utp1v15uuhk7jdr988o1c0@4ax.com>
Source record: 6676
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

On Wed, 13 Mar 2002 18:51:53 -0500, Guillaume Filion <gfk@logidac.com>
wrote:

>So, considering what you just told me, more realistic specifications
>would be:
>Freq range: UHF (around 800-900 MHz - in the ham radio freqs)
>Data rate: 2 Mbps
>Range: 10 km (omnidirectional, more if directional)
>
>Because of the reduced range, the required power would be at least 9
>times less than at 30 km. I reduced the rata rate since I discovered
>that the original IEEE802.11 was 2 Mbps, so it would be likely to use
>this. The estimates drops down to 300W/9 * 2/3 = 22W. This is still 10
>times more than I initially wanted, but at least this is legal.

Those calculations apply for line of sight conditions.

>One of
>my main goal with was mobile operations, and 22W is a lot of power to
>get from a battery. 8(Any suggestion on how I could reduce the power
>needed?

Unless you live on a perfectly flat plane or are driving on a frozen
lake, I do not see how you could get a 10 km line of sight path !!

The attenuation for other paths is (much) greater. My experience with
HTs on 1.3GHz in a varying terrain, with the other station more than
100 m AGL, is that a usable connection can be maintained to about 10
km with occasional spots over 20 km. However, the bandwidth was only
16 kHz, so scaling up to a more than 1 MHz bandwidth, we are talking
about power levels around 100 W.

Unless you are planning to send live video from the mobile, why do you
need 2 Mbit/s to/from a moving mobile ?

Paul OH3LWR

653. PACLEN 312 AX.25 L2V2.1 KISS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-14 22:57:54 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <SV9k8.9407$tP2.826079@bgtnsc05-news.ops.worldnet.att.net>
Source record: 6677

Anyone running PACLEN 312 with AX.25 L2V2.1 using KISS?
If so, any problems with specific TNC KISS implementations?

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

654. Re: PACLEN 312 AX.25 L2V2.1 KISS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-15 02:30:40 UTC
From: Tony Hoffman <thoffman@cox.net>
Message-ID: <k1dk8.26334$4H5.1650014@news1.east.cox.net>
Source record: 6678

"Hank Oredson" <horedson@att.net> wrote
> Anyone running PACLEN 312 with AX.25 L2V2.1 using KISS?
> If so, any problems with specific TNC KISS implementations?

Most TNC code is mechanized as a queue of fixed 256 byte
length. So I would assume the only problem would be using
two queue entries for each packet, but there's probably enough
for operation at low baud rates.

655. Strange PSK31 Problem

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-15 02:57:50 UTC
From: Richard Lubash <2k-plus@2k-plus.com>
Message-ID: <140320022157504778%2k-plus@2k-plus.com>
Source record: 6680

I have been successfully using a 400Mhz laptop with a 756Pro for PSK31 for some time. Recently I tried replacing the laptop with a Sony Vaio 1Ghz desktop using a Yamaha AC-XG WDM sound card. When the rig is hooked up to the Vaio the TX frequency is always higher than the RX frequency, IE: if I reply to a station that has called CQ on the frequency that he was calling on for him to hear me he has to use his RIT and tune up in frequency. I have swapped out radios, simulated the problem at home using the Vaio on one radio and the laptop on another radio, tried using different software (Digipan, MixW. DX4Win) made sure TX was locked to RX and cannot figure out how to rectify it. If anyone has any hints or suggestions they would be very much appreciated.

Thanks es 73

Richard / N1VX

656. Re: PACLEN 312 AX.25 L2V2.1 KISS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-15 03:05:42 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <aydk8.9812$tP2.861255@bgtnsc05-news.ops.worldnet.att.net>
Source record: 6679

"Tony Hoffman" <thoffman@cox.net> wrote in message
news:k1dk8.26334$4H5.1650014@news1.east.cox.net...
> "Hank Oredson" <horedson@att.net> wrote
> > Anyone running PACLEN 312 with AX.25 L2V2.1 using KISS?
> > If so, any problems with specific TNC KISS implementations?
>
> Most TNC code is mechanized as a queue of fixed 256 byte
> length. So I would assume the only problem would be using
> two queue entries for each packet, but there's probably enough
> for operation at low baud rates.

Thanks for the info.

Sorry, perhaps I did not give quite enough information.
The situation of interest is direct connects, thus no digipeaters involved.

The sources I've seen have buffers long enough to handle 312 octets,
as long as there are no digipeaters :-) Might be different in other
TNCS, or other versions of firmware. I'm guessing that no TNC
uses mbufs for the KISS implementation, thus the query.

Have only tested with KPC-9612 to date, since that's what is on both
ends of the link I use for testing. Works fine. For IP, with fragmentation
at the AX.25 layer, and 312 octet frames, one gets a bit of improvement
in throughput. Since it's KISS, the frames don't hang around in the TNC
for very long :-)

Will test with a few other TNCs and see what happens.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

657. Help With Setup Of Tiny-2 For APRS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-15 05:38:10 UTC
From: Doug Gavilanes <gavilan1@earthlink.net>
Message-ID: <3C9188A0.891B9664@earthlink.net>
Source record: 6681
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.radio.amateur.equipment

I am having a problem with setting up a Tiny-2 TNC for mobile APRS. I had it all figured out and had the TNC up and running fine, but a couple of days ago, the memory defaulted back to a clean slate in the EEPROM (MYCall was NOCALL, etc.).

Findu.com shows my data string as:

Report received 2 days 4 hours 41 minutes 33 seconds ago

Raw packet:
N6XQY-12>GPSLJ,RELAY*,WIDE3-2:$GPGGA,005241.31,3351.5928,N,11817.7613,W,1,08,1.0,00028,M,,,,*3F

I tried to use my limited notes since the TNC crash, but unfortunately I'm still down. The data below is how the TNC is set up right now. Can someone here please have a look at my settings and point out where I am set incorrectly? Thanks in advance.

TNX es 73,

Doug Gavilanes, N6XQY
Garden Grove, CA.

```
cmd:display
3rdparty ON 8bitconv ON ACkprior
ON ACKTime 14
ADrdisp ON AMonth OFF ASyrxovr
0 ASYFrerr 0
ASYQover 7102 ASYStop 1 AUTOFwd OFF
AUtolf ON
AWlen 8 Ax25l2v2 ON AXDelay
0 AXHang 0
BBfailed 0 BBSmsgs OFF Beacon EVERY
6 EBEacon OFF
BKondel ON BRAnge 3 LRAnge
3 BReak ON
BESLot OFF BSLot 60 BSUBSLOT 0
BText 9670 - OC RED CROSS - desmc@oc-redcross.org
BUdlist OFF CANline $18 CANPac
$19 CBell OFF
CHeck 12 CHECKV1 OFF CLKadj
0 CLKSet ON
CMdtime 1 CMSg OFF CMSGDisc OFF
COMmand $03
CONMode CONVERSE Link state is: DISCONNECTED
```

```
CONOk ON CONPerm OFF CONRPT OFF
CONStamp OFF
CPactime OFF CR ON CRAfter ON
CText
UIMODe OFF DAYUsa ON DEAdtime 20
DELete OFF
DIGipeat 7 DIGISent 0 DWait
0 Echo ON
ELOc 0 EScape OFF Flow
OFF FRack 3
FSCreen ON FUlldup OFF FIXType
1 GPS ON
GPSExit $5C
GPSTExt $gprmc
LG1text $GPVTG
LG2text
LG3text
GPSItext
HEaderli OFF HEALled OFF HId
OFF HOMebbs
HOvrerr 0 HUndrerr 0 KILONFWD
ON KISs OFF
LCAlls LCok ON LCStream
ON LFadd OFF
LFIgnore OFF LGEtchar $00 LOCation EVERY 6
LPATH APRS VIA WIDE
LTEXT WAITING FOR GPS DATA
L1text
L2text
L3text
LOGonmsg ON MAll ON MAXframe
4 MCOM OFF
MCon ON MFilter $00 Monitor
2 MRpt ON
MSGHdr ON MSGRoute OFF MStamp OFF
MYAlias RELAY
MY1alias N6XQY MY2alias
MY3alias MYRose
MYcall N6XQY-12 MYPcall
RMTcall NEwmode OFF
NODetext
NOmode OFF NUcr OFF NULf
OFF NULLs 0
Paclen 128 PACTime AFTER 10 PARity
0 PASs $16
PASSAll OFF PErsist 63 PMs
OFF PMSConn 0
PIdcheck OFF PPersist OFF PRefix
$00 RCVDFrmr 0
RCVDIfra 0 RCVDRej 0 RCVDSabm
```

```
0 RCVDRNr 0
REDispla $12 REMote OFF REMSysop OFF
RESptime 0
REtry 10 RTCSync ON RXAbort
2023 RXblock OFF
RXCount 478 RXErrors 322 RXLenerr
0 RXResync 0
Screenln 0 SEndpac $0D SENTFrmr
0 SENTIfra 0
SENTRej 0 SENTRNr 0 SLOts
2 SLottime 50
STArt $11
STExt
STOp $13 STREAMCa OFF STREAMDb OFF STReamsw
$7C
TKILlok OFF TRACe OFF TRFlow ON
TRIes 0
TXCount 72 TXdelay 15 TXDELAYC 12
TXFlow ON
TXQovflw 0 TXTmo 0 TXUifram
ON UIBeacon OFF
UILOc OFF Unproto GPSLJ VIA RELAY,WIDE3-3
LSLOT 60 LSLOTMIN 0 LSUBSLOT 0
LSUBNUMB 0
USers 1 Xflow XMitok
ON XOff $13
XON $11
cmd:
```

658. Re: PACLEN 312 AX.25 L2V2.1 KISS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-15 09:00:29 UTC
From: George Rossopoulos <grosopoulos@openet.gr>
Message-ID: <1016182929.429195@athprx02.forthnet.gr>
Source record: 6682

Hi

> Anyone running PACLEN 312 with AX.25 L2V2.1 using KISS?
AX.25 L2V2.1 specifies that maximum datalen is 255 bytes.

If you are using a higher value then you are not in AX.25 L2V2.1, but
something yours!!!

As for the kiss mode, there is no problem with frame len. I am using for
tcpip 2000bytes which fast enough.

73

--
(SV2AGW) Rossopoulos George
sv2agw@pigeon.ee.auth.gr
sv2agw@elcom.gr
http://www.elcom.gr/sv2agw

> If so, any problems with specific TNC KISS implementations?
>
> --
>
> ... Hank
>
> Hank: http://horedson.home.att.net
> W0RLI: http://w0rli.home.att.net
>
>
>
>

659. Re: PACLEN 312 AX.25 L2V2.1 KISS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-15 14:31:11 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <PAnk8.12916$Ex5.1171023@bgtnsc04-news.ops.worldnet.att.net>
Source record: 6683

"George Rossopoulos" <grosopoulos@openet.gr> wrote in message
news:1016182929.429195@athprx02.forthnet.gr...
> Hi
>
>
> > Anyone running PACLEN 312 with AX.25 L2V2.1 using KISS?
> AX.25 L2V2.1 specifies that maximum datalen is 255 bytes.
>
> If you are using a higher value then you are not in AX.25 L2V2.1, but
> something yours!!!

The V2.1 specification says that frames larger than 256 bytes of
information field my be used by any connection where the two ends
agree on the larger frame size. See the 7th computer networking
conference paper and the follow up papers on the topic.

> As for the kiss mode, there is no problem with frame len. I am using for
> tcpip 2000bytes which fast enough.

Which TNCs?

What I'm trying to verify is which specific versions of firmware in
which TNCs have been tested.

> 73
>

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

660. Re: PACLEN 312 AX.25 L2V2.1 KISS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-15 17:57:27 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna94dg7.cl5.nomail@linux.pe1chl.ampr.org>
Source record: 6684

Hank Oredson <horedson@att.net> wrote:

>"Tony Hoffman" <thoffman@cox.net> wrote in message
>news:k1dk8.26334$4H5.1650014@news1.east.cox.net...
>> "Hank Oredson" <horedson@att.net> wrote
>> > Anyone running PACLEN 312 with AX.25 L2V2.1 using KISS?
>> > If so, any problems with specific TNC KISS implementations?

>> Most TNC code is mechanized as a queue of fixed 256 byte
>> length. So I would assume the only problem would be using
>> two queue entries for each packet, but there's probably enough
>> for operation at low baud rates.

>Thanks for the info.

>Sorry, perhaps I did not give quite enough information.
>The situation of interest is direct connects, thus no digipeaters involved.

>The sources I've seen have buffers long enough to handle 312 octets,
>as long as there are no digipeaters :-) Might be different in other
>TNCS, or other versions of firmware. I'm guessing that no TNC
>uses mbufs for the KISS implementation, thus the query.

The original K3MC kiss code, and thus all TNC's that use it directly or
embedded as separate kiss operational mode, has dynamic buffers without an
implicit maximum size for a frame.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

661. Re: Strange PSK31 Problem

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-15 18:24:25 UTC
From: KA9CAR <nospam@nospam.usa>
Message-ID: <a6te62drm1@news1.tribune.com>
Source record: 6685

Your sound card is a bit out of calibration, so is mine.

On my current sound card, I have to keep the rit on the radio set +12 hz to keep it from walking around the band.

I found this value by turning off the "tx tracks rx" option, and calling cq. then once I was answered I slowly moved the radios rit, until the PSK31 display showed that the rx value I was adjusting and the tx value which I had "set" were the same (1,000). So now I just set rit to 12 htz to start with.
KA9CAR

Richard Lubash <2k-plus@2k-plus.com> wrote in message news:14032002215750477 8%2k-plus@2k-plus.com...
> I have been successfully using a 400Mhz laptop with a 756Pro for PSK31
> for some time. Recently I tried replacing the laptop with a Sony Vaio
> 1Ghz desktop using a Yamaha AC-XG WDM sound card. When the rig is
> hooked up to the Vaio the TX frequency is always higher than the RX
> frequency, IE: if I reply to a station that has called CQ on the
> frequency that he was calling on for him to hear me he has to use his
> RIT and tune up in frequency. I have swapped out radios, simulated the
> problem at home using the Vaio on one radio and the laptop on another
> radio, tried using different software (Digipan, MixW. DX4Win) made
> sure TX was locked to RX and cannot figure out how to rectify it. If
> anyone has any hints or suggestions they would be very much
> appreciated.
>
> Thanks es 73
>
> Richard / N1VX

662. Re: PACLEN 312 AX.25 L2V2.1 KISS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-15 20:22:16 UTC
From: jethro <jethro@ou.edu>
Message-ID: <VBsk8.263$u4.3094@news.ou.edu>
Source record: 6686

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote
>
> The original K3MC kiss code, and thus all TNC's that use it directly or
> embedded as separate kiss operational mode, has dynamic buffers without an
> implicit maximum size for a frame.

True. But it should be a multiple of 124 bytes as each queue node
overhead is four bytes, and one byte of storage results in 128 bytes
of queue, so be smart:

```
struct queue {
unsigned int next; /* NULL for end of queue */
unsigned char n_bytes; /* number of bytes in this buffer */
unsigned char n_read; /* number of bytes read from buffer */
unsigned char data[124]; /* buffer */
};
```

312 bytes = 124 + 124 + 64 + (60 bytes fluff). Not that these 60 bytes
get transmitted or anything, it's just 60 bytes going to waste.

Source Code Follows:

```
;
; The buffer list is kept from "bottom" to the end of RAM. The format of
the
; buffers is:
;+------+--------+-------+--------------------------------------------------
-+
;| next | Nbytes | Nread | data |
;+------+--------+-------+--------------------------------------------------
-+
;
; 2 bytes 1 byte 1 byte 124 bytes (Total 128 bytes)
; next Pointer to next buffer on this buffer chain (or 0 if no more)
; Nbytes Number of bytes in this buffer that are valid
; Nread Number of bytes read from this buffer (used by getchar)
; data 124 bytes of data (not all is necessarily valid, see Nbytes field)
;
; The buffer pool is all here, and as processes need buffer space, it is all
; allocated out of this pool. See allocate_buffer and free_buffer code.

;-------------------------------------------------------------------------
; return in HL a pointer to a free buffer. If there are not more buffers,
; return with Z flag set.
; destroys no registers except return value HL.
```

663. Re: PACLEN 312 AX.25 L2V2.1 KISS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-15 20:30:50 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <_Rsk8.11227$tP2.964542@bgtnsc05-news.ops.worldnet.att.net>
Source record: 6687

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
news:slrna94dg7.cl5.nomail@linux.pe1chl.ampr.org...
> Hank Oredson <horedson@att.net> wrote:
>
> >"Tony Hoffman" <thoffman@cox.net> wrote in message
> >news:k1dk8.26334$4H5.1650014@news1.east.cox.net...
> >> "Hank Oredson" <horedson@att.net> wrote
> >> > Anyone running PACLEN 312 with AX.25 L2V2.1 using KISS?
> >> > If so, any problems with specific TNC KISS implementations?
>
> >> Most TNC code is mechanized as a queue of fixed 256 byte
> >> length. So I would assume the only problem would be using
> >> two queue entries for each packet, but there's probably enough
> >> for operation at low baud rates.
>
> >Thanks for the info.
>
> >Sorry, perhaps I did not give quite enough information.
> >The situation of interest is direct connects, thus no digipeaters involved.
>
> >The sources I've seen have buffers long enough to handle 312 octets,
> >as long as there are no digipeaters :-) Might be different in other
> >TNCS, or other versions of firmware. I'm guessing that no TNC
> >uses mbufs for the KISS implementation, thus the query.
>
> The original K3MC kiss code, and thus all TNC's that use it directly or
> embedded as separate kiss operational mode, has dynamic buffers without an
> implicit maximum size for a frame.

So this would include the original TNC2 and clones, I would guess.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

664. Re: PACLEN 312 AX.25 L2V2.1 KISS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-15 20:43:45 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <52tk8.11269$tP2.965538@bgtnsc05-news.ops.worldnet.att.net>
Source record: 6688

```
"jethro" <jethro@ou.edu> wrote in message news:VBsk8.263$u4.3094@news.ou.edu...
> "Rob Janssen" <nomail@pe1chl.ampr.org> wrote
> >
> > The original K3MC kiss code, and thus all TNC's that use it directly or
> > embedded as separate kiss operational mode, has dynamic buffers without an
> > implicit maximum size for a frame.

> True. But it should be a multiple of 124 bytes as each queue node
> overhead is four bytes, and one byte of storage results in 128 bytes
> of queue, so be smart:
>
> struct queue {
> unsigned int next; /* NULL for end of queue */
> unsigned char n_bytes; /* number of bytes in this buffer */
> unsigned char n_read; /* number of bytes read from buffer */
> unsigned char data[124]; /* buffer */
> };
>
> 312 bytes = 124 + 124 + 64 + (60 bytes fluff). Not that these 60 bytes
> get transmitted or anything, it's just 60 bytes going to waste.

There are address fields, control and pid (and possibly segementation
pid and segment number) as well as the data ...

> Source Code Follows:
>
> ;
> ; The buffer list is kept from "bottom" to the end of RAM. The format of
> the
> ; buffers is:
> ;+------+--------+-------+--------------------------------------------------
> -+
> ;| next | Nbytes | Nread | data |
> ;+------+--------+-------+--------------------------------------------------
> -+
> ;
> ; 2 bytes 1 byte 1 byte 124 bytes (Total 128 bytes)
> ; next Pointer to next buffer on this buffer chain (or 0 if no more)
> ; Nbytes Number of bytes in this buffer that are valid
> ; Nread Number of bytes read from this buffer (used by getchar)
> ; data 124 bytes of data (not all is necessarily valid, see Nbytes field)
> ;
> ; The buffer pool is all here, and as processes need buffer space, it is all
> ; allocated out of this pool. See allocate_buffer and free_buffer code.
>
```

>
> ;--
> ; return in HL a pointer to a free buffer. If there are not more buffers,
> ; return with Z flag set.
> ; destroys no registers except return value HL.

That's the original TNC2 code AFAIR.

I've seen one implementation that used 60 byte buffer fragments
(plus four byte buffer chaining overhead). There are probably others.

For all implementations of that type, max frame size would only
be limited by the size of the available buffer pool :-)

I'm still curious though: has anyone tested various TNCs to
verify their actual behavior? I'm only able to test Kantronics
at the moment, since the link used for testing has a KPC-9612
at one end, and a Data Engine at the other. I am guessing the
Kantronics TNCs probably do not use Mike's original KISS code.
Well, perhaps the Data Engine might :-)

Will run further tests this evening.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

665. Re: PACLEN 312 AX.25 L2V2.1 KISS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-15 21:03:16 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna94ock.cr1.nomail@linux.pe1chl.ampr.org>
Source record: 6689

Hank Oredson <horedson@att.net> wrote:

>"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
>news:slrna94dg7.cl5.nomail@linux.pe1chl.ampr.org...
>> Hank Oredson <horedson@att.net> wrote:

>> >"Tony Hoffman" <thoffman@cox.net> wrote in message
>> >news:k1dk8.26334$4H5.1650014@news1.east.cox.net...
>> >> "Hank Oredson" <horedson@att.net> wrote
>> >> > Anyone running PACLEN 312 with AX.25 L2V2.1 using KISS?
>> >> > If so, any problems with specific TNC KISS implementations?

>> >> Most TNC code is mechanized as a queue of fixed 256 byte
>> >> length. So I would assume the only problem would be using
>> >> two queue entries for each packet, but there's probably enough
>> >> for operation at low baud rates.

>> >Thanks for the info.

>> >Sorry, perhaps I did not give quite enough information.
>> >The situation of interest is direct connects, thus no digipeaters involved.

>> >The sources I've seen have buffers long enough to handle 312 octets,
>> >as long as there are no digipeaters :-) Might be different in other
>> >TNCS, or other versions of firmware. I'm guessing that no TNC
>> >uses mbufs for the KISS implementation, thus the query.

>> The original K3MC kiss code, and thus all TNC's that use it directly or
>> embedded as separate kiss operational mode, has dynamic buffers without an
>> implicit maximum size for a frame.

>So this would include the original TNC2 and clones, I would guess.

The original TNC2 had no KISS mode.

The K3MC code was written to overcome this, and later TAPR code (1.1.6)
included a KISS mode that seems to be just a branch to the K3MC code as a
separate operational mode (i.e. it just jumps to the K3MC code that takes
over the entire TNC).

From the doc:

KISS ON|OFF default: OFF

This command is used to enter the "KISS" mode for operation with
various experimental protocols. KISS is used with intelligent
host computers. The most popular use has been in conjunction
with the KA9Q TCP/IP networking software, available from TAPR and

elsewhere.

To operate KISS with this release, enter the command KISS ON,
then the command RESTART (NOT RESET!). The CON and STA LEDs will
flash three times when initially actiated.

This flashing of the LEDs is just what K3MC's startupcode was doing as
well! I don't have TAPR source code to really check it.

In the AEA TNCs it is not done like that. The KISS is built on top of
the existing HDLC driver, which has a fixed buffer (probably 312 bytes).
So the AEA KISS mode cannot handle large frames.

Rob
--
+---------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+---------------------------------+--------------------------------------+

666. Re: PACLEN 312 AX.25 L2V2.1 KISS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-16 01:27:39 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <fcxk8.11777$tP2.998173@bgtnsc05-news.ops.worldnet.att.net>
Source record: 6690

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
news:slrna94ock.cr1.nomail@linux.pe1chl.ampr.org...
> Hank Oredson <horedson@att.net> wrote:
>
> >"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
> >news:slrna94dg7.cl5.nomail@linux.pe1chl.ampr.org...
> >> Hank Oredson <horedson@att.net> wrote:
>
> >> >"Tony Hoffman" <thoffman@cox.net> wrote in message
> >> >news:k1dk8.26334$4H5.1650014@news1.east.cox.net...
> >> >> "Hank Oredson" <horedson@att.net> wrote
> >> >> > Anyone running PACLEN 312 with AX.25 L2V2.1 using KISS?
> >> >> > If so, any problems with specific TNC KISS implementations?
>
> >> >> Most TNC code is mechanized as a queue of fixed 256 byte
> >> >> length. So I would assume the only problem would be using
> >> >> two queue entries for each packet, but there's probably enough
> >> >> for operation at low baud rates.
>
> >> >Thanks for the info.
>
> >> >Sorry, perhaps I did not give quite enough information.
> >> >The situation of interest is direct connects, thus no digipeaters
involved.
>
> >> >The sources I've seen have buffers long enough to handle 312 octets,
> >> >as long as there are no digipeaters :-) Might be different in other
> >> >TNCS, or other versions of firmware. I'm guessing that no TNC
> >> >uses mbufs for the KISS implementation, thus the query.
>
> >> The original K3MC kiss code, and thus all TNC's that use it directly or
> >> embedded as separate kiss operational mode, has dynamic buffers without an
> >> implicit maximum size for a frame.
>
> >So this would include the original TNC2 and clones, I would guess.
>
> The original TNC2 had no KISS mode.

Correct of course. K3MC KISS EPROM could be subsituted.

> The K3MC code was written to overcome this, and later TAPR code (1.1.6)
> included a KISS mode that seems to be just a branch to the K3MC code as a
> separate operational mode (i.e. it just jumps to the K3MC code that takes
> over the entire TNC).

The Tasco uTNC21 has the same code in 1.1.6, have one here so can
test with it. Also have an older TNC2 clone ... and an early KISS prom for it.

Also have a TNC1 with KISS prom in it ... guess I could test with that also :-)

> From the doc:
> -----------
> KISS ON|OFF default: OFF
>
> This command is used to enter the "KISS" mode for operation with
> various experimental protocols. KISS is used with intelligent
> host computers. The most popular use has been in conjunction
> with the KA9Q TCP/IP networking software, available from TAPR and
> elsewhere.
>
> To operate KISS with this release, enter the command KISS ON,
> then the command RESTART (NOT RESET!). The CON and STA LEDs will
> flash three times when initially actiated.
> -----------
>
> This flashing of the LEDs is just what K3MC's startupcode was doing as
> well! I don't have TAPR source code to really check it.

I may have it here somewhere ... not sure exactly which versions
are still lurking somewhere on my file server. Howie might be able
to comment on this issue also.

>
> In the AEA TNCs it is not done like that. The KISS is built on top of
> the existing HDLC driver, which has a fixed buffer (probably 312 bytes).
> So the AEA KISS mode cannot handle large frames.

That's good information, thank you.

I'm also considering an implementation of the "large window" code.
Finally have a few stations that are direct connect and interested
in testing new ideas ... they are running SNOS ... so now I can
test some of your interesting ideas.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

667. Re: PACLEN 312 AX.25 L2V2.1 KISS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-16 08:42:09 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna961b0.gv5.nomail@linux.pe1chl.ampr.org>
Source record: 6691

Hank Oredson <horedson@att.net> wrote:

>> This flashing of the LEDs is just what K3MC's startupcode was doing as
>> well! I don't have TAPR source code to really check it.

>I may have it here somewhere ... not sure exactly which versions
>are still lurking somewhere on my file server. Howie might be able
>to comment on this issue also.

Is source code for the TAPR firmware available anywhere?
(I mean the source for the 1.1.x series of firmware eproms)

That "add a downloadable application" project is still on the desk... I
now have the hardware complete (tcvr, tnc, gps) but still need to code the
necessary firmware for it.

>> In the AEA TNCs it is not done like that. The KISS is built on top of
>> the existing HDLC driver, which has a fixed buffer (probably 312 bytes).
>> So the AEA KISS mode cannot handle large frames.

>That's good information, thank you.

>I'm also considering an implementation of the "large window" code.
>Finally have a few stations that are direct connect and interested
>in testing new ideas ... they are running SNOS ... so now I can
>test some of your interesting ideas.

The large window mode has been in Linux AX.25 for a long time. It is
being used by Linux users, I think. Of course Linux AX.25 is broken,
and the people who have the right ideas (and a first take) for improving it
have stepped out. Too bad.

I'm not so sure if using a large window along with KISS TNCs is a good
plan. You could easily run into flow control problems. Make sure the
maxframe is not set too high (don't set it to 63) and do something to
reduce the maxframe dynamically when more than one session is active.

Of course, a slow-start is mandatory. Don't send MAXFRAME frames on the
first transmission after receiving UA. Start with one or two, and increase
(e.g.: double) the dynamic maxframe with each ACK that you receive that
bears the expected sequence number. Cut back when a REJect or an ack for
an old frame is received. Together with a store of correctly received
out-of-sequence (furture sequence number) frames at the receive side
this serves as a selective reject mechanism, and is also really required
to keep things stable. Especially when a dumb, buffering device like a
KISS TNC is present in the link.

Rob
--
+--------------------------------+-------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+-------------------------------------+

668. Re: PACLEN 312 AX.25 L2V2.1 KISS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-16 11:34:09 UTC
From: Tony Hoffman <thoffman@cox.net>
Message-ID: <R4Gk8.6212$7B2.202688@news1.east.cox.net>
Source record: 6692

I don't have numbers, but two of us set up a 10 mile
link with PackeTwin cards, and at 9600 we ran
1024 MTU 984 MSS and Ax.25 Fragmenting. It
was neat to watch the packets get sprayed, and
one ack. I had dreams of a couple more 10 mile
hops, to get through the town, but by then all the
real Hams were dying off, and the new Hams don't
do club meetings, or technical lunches. Thus, X-1J
was put up, and then KPC-3 THENET clones took
their place. NOS died off...

Then we tried it on a DRSI DPK-2 link through the
serial ports (DPK-2 is a TNC-2 clone). Overall
throughput was much lower.

The PackeTwin solution actually replaced the phone
line UUCP between our Unix boxes! It was that good.

669. Help on Kam Kantronic V5 Diconnect Header

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-16 12:28:01 UTC
From: Gary Roberts <kinvig@ntlworld.com>
Message-ID: <sQGk8.9608$w65.1566501@news6-win.server.ntlworld.com>
Source record: 6693

Hi
Does any one have any info on how to connect the g3ruh modem to the
Kantronics Kam version 5 modem disconnect header?
Thank you for any info forwarded.
Gary

670. Re: IEEE802.11 for HAMs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-16 14:06:20 UTC
From: Guillaume Filion <gfk@logidac.com>
Message-ID: <gfk-E71355.09061916032002@news.videotron.net>
Source record: 6694
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

In article <3fa09u0simp0utp1v15uuhk7jdr988o1c0@4ax.com>,
Paul Keinanen <keinanen@sci.fi> wrote:

> On Wed, 13 Mar 2002 18:51:53 -0500, Guillaume Filion <gfk@logidac.com>
> wrote:
> >One of
> >my main goal with was mobile operations, and 22W is a lot of power to
> >get from a battery. 8(Any suggestion on how I could reduce the power
> >needed?
>
> Unless you live on a perfectly flat plane or are driving on a frozen
> lake, I do not see how you could get a 10 km line of sight path !!

Well, I live next to the St-Laurence River which is about 3 km wide, so
in diagonal one could get 10 km, but I admit that this is a bit far
fetched. 8)

>
> The attenuation for other paths is (much) greater. My experience with
> HTs on 1.3GHz in a varying terrain, with the other station more than
> 100 m AGL, is that a usable connection can be maintained to about 10
> km with occasional spots over 20 km. However, the bandwidth was only
> 16 kHz, so scaling up to a more than 1 MHz bandwidth, we are talking
> about power levels around 100 W.
What speeds were you getting with a 16 KHz bandwidth?

> Unless you are planning to send live video from the mobile, why do you
> need 2 Mbit/s to/from a moving mobile ?

I'm more of a computer guy than an electronics guy, and my moto as
always been the more bandwidth, the better; but I'm realising that
there's no "magical" bandwidth, especially in radio. My idea is that the
more bandwidth that you have, the more possibilities of applications.

You question made me taught of possible application, what I hadn't done
before. Here's what I can certainly see using this: Emergency rescue
operations, festivals and normal Internet access for the Hams. For
emergency rescue and festivals, I guess you only need email and web with
some images, so I guess 50 Kbps would be enough. But for normal Internet
access, especially surfing the web, you need more bandwidth to enjoy
your surfing, let say 100 Kbps. If there are many users, you need to
multiply by the number of users, let say 10, which make 1Mbps.

I guess you're right, 2Mbps is not really needed. 1Mbps for a fixed
station and 100Kbps for mobile stations would be more resonnable. I

don't know if it's possible to use IEEE802.11 at such low speeds. I really would want to use it, since it has some real interesting features such as ad hoc networks, being OS and protocol independant and there's a lot a chips available that support it.

73,
GFK's

--
Guillaume Filion
Logidac Tech., Beaumont, Quebec, Canada - http://logidac.com/
PGP Key and more: http://guillaume.filion.org/ (this will redirect)
PGP Fingerprint: 14A6 720A F7BA 6C87 2331 33FD 467E 9198 3DED D5CA

671. Re: Digital Communications : Modulation Recognition and frequency spectrum

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-16 14:34:48 UTC
From: john_james@email.com
Message-ID: <237340ff.0203160634.13537db8@posting.google.com>
Source record: 6695
Cross-posted to:
comp.dsp,rec.radio.amateur.digital.misc,sci.electronics.basics,rec.radio.amateur.antenna,aus.radio.amateur.digital

jrayala@hotmail.com (Jitendra Rayala) wrote in message
news:<18a9fced.0203131345.3ca6f7cb@posting.google.com>...
> john_james@email.com (John) wrote in message
news:<237340ff.0203130651.245799d9@posting.google.com>...
> > Hi,
> > I am looking for a practical approach of modulation recognition of a
> > signal using its frequency spectrum. I need a practical approach but
> > any help in theoretical areas will be welcomed too.
> > Bests,
> > John
>
> John,
>
> If you are not too particular about algorithms based only on frequency
> spectrum, the following paper has a couple of algorithms using neural
> networks. The same authors also have a book on the subject (See the
> references). Hope this helps..
>
> A. K. Nandi and E. E. Azzouz, "Algorithms for Automatic Modulation
> Recognition of Communication Signals," IEEE Trans. on Communications,
> vol 46, pp 431-436 April 1998.
>
> Jitendra

Jitendra,

Thank you for your answer. I need just a practical approach, depending
on frequency or even time domain charactristics. It is not important
if it is automatic or not, but I need to discover the modulation type
of a given signal. At present I don't have access to the book but I
have the paper. Although I have not read it completely but I think it
is not so practical. Any way, thank you very much for your help.

John

672. Re: PACLEN 312 AX.25 L2V2.1 KISS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-16 19:35:42 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <i8Nk8.13253$tP2.1125687@bgtnsc05-news.ops.worldnet.att.net>
Source record: 6696

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
news:slrna961b0.gv5.nomail@linux.pe1chl.ampr.org...
> Hank Oredson <horedson@att.net> wrote:
>
> >> This flashing of the LEDs is just what K3MC's startupcode was doing as
> >> well! I don't have TAPR source code to really check it.
>
> >I may have it here somewhere ... not sure exactly which versions
> >are still lurking somewhere on my file server. Howie might be able
> >to comment on this issue also.
>
> Is source code for the TAPR firmware available anywhere?
> (I mean the source for the 1.1.x series of firmware eproms)

I've not run across any place to get a legal copy of the sources.
I have some old sources (perhaps 1.1.2?) from about 1985.
Had those because I helped out a little bit with some flow
control vs. UART issues. Have not seen anything newer, and
cannot release the old sources without permission from TAPR.

> That "add a downloadable application" project is still on the desk... I
> now have the hardware complete (tcvr, tnc, gps) but still need to code the
> necessary firmware for it.

Mine is still on hold. Do not want to spend the $$ for a new EPROM
programmer :-)

> >> In the AEA TNCs it is not done like that. The KISS is built on top of
> >> the existing HDLC driver, which has a fixed buffer (probably 312 bytes).
> >> So the AEA KISS mode cannot handle large frames.
>
> >That's good information, thank you.
>
> >I'm also considering an implementation of the "large window" code.
> >Finally have a few stations that are direct connect and interested
> >in testing new ideas ... they are running SNOS ... so now I can
> >test some of your interesting ideas.
>
> The large window mode has been in Linux AX.25 for a long time. It is
> being used by Linux users, I think. Of course Linux AX.25 is broken,
> and the people who have the right ideas (and a first take) for improving it
> have stepped out. Too bad.
>
> I'm not so sure if using a large window along with KISS TNCs is a good
> plan. You could easily run into flow control problems. Make sure the

> maxframe is not set too high (don't set it to 63) and do something to
> reduce the maxframe dynamically when more than one session is active.

The situation of interest here is all point-to-point links, so can test with
a very simple situation :-) Some other things to finish first, then will look
at the large window capability next. Large frame size is not a good idea
on one of the links. It is 9600, obstructed, about 50 km, so retry rate is
higher than we would like, even with 17 el yagis to reduce side reflections.
This case would benefit from large window and selective reject.

> Of course, a slow-start is mandatory. Don't send MAXFRAME frames on the
> first transmission after receiving UA. Start with one or two, and increase
> (e.g.: double) the dynamic maxframe with each ACK that you receive that
> bears the expected sequence number. Cut back when a REJect or an ack for
> an old frame is received. Together with a store of correctly received
> out-of-sequence (furture sequence number) frames at the receive side
> this serves as a selective reject mechanism, and is also really required
> to keep things stable. Especially when a dumb, buffering device like a
> KISS TNC is present in the link.

Makes good sense. Already have dynamic frack in the code, which
works very well. Should add dynamic maxframe also, not too hard.

Just starting tests with large frame size across the "not so good" path,
will take a few days to collect statistics on how well it works.

Thanks for all your comments.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

673. Re: PACLEN 312 AX.25 L2V2.1 KISS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-16 19:37:39 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <7aNk8.13258$tP2.1125117@bgtnsc05-news.ops.worldnet.att.net>
Source record: 6697

"Tony Hoffman" <thoffman@cox.net> wrote in message
news:R4Gk8.6212$7B2.202688@news1.east.cox.net...
> I don't have numbers, but two of us set up a 10 mile
> link with PackeTwin cards, and at 9600 we ran
> 1024 MTU 984 MSS and Ax.25 Fragmenting. It
> was neat to watch the packets get sprayed, and
> one ack. I had dreams of a couple more 10 mile
> hops, to get through the town, but by then all the
> real Hams were dying off, and the new Hams don't
> do club meetings, or technical lunches. Thus, X-1J
> was put up, and then KPC-3 THENET clones took
> their place. NOS died off...
>
> Then we tried it on a DRSI DPK-2 link through the
> serial ports (DPK-2 is a TNC-2 clone). Overall
> throughput was much lower.
>
> The PackeTwin solution actually replaced the phone
> line UUCP between our Unix boxes! It was that good.

Also interesting information, thank you.

We have a few folks here who have recently become interested
in tcp/ip, and are willing to play around with new ideas. Gives
me a testbed for some of this stuff :-)

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

674. Re: PACLEN 312 AX.25 L2V2.1 KISS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-17 11:03:46 UTC
From: Terry Dawson <terry@animats.net>
Message-ID: <3C947812.2080805@animats.net>
Source record: 6698

Hank Oredson wrote:

> What I'm trying to verify is which specific versions of firmware in
> which TNCs have been tested.

Hank,
The only KISS ROM for the VADCG TNC+ handles arbitrarily large frames without difficulty. :)

regards
Terry

675. Re: PACLEN 312 AX.25 L2V2.1 KISS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-17 15:02:44 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <oe2l8.14393$tP2.1258188@bgtnsc05-news.ops.worldnet.att.net>
Source record: 6699

"Terry Dawson" <terry@animats.net> wrote in message
news:3C947812.2080805@animats.net...
> Hank Oredson wrote:
>
> > What I'm trying to verify is which specific versions of firmware in
> > which TNCs have been tested.
>
> Hank,
> The only KISS ROM for the VADCG TNC+ handles arbitrarily large frames without
> difficulty. :)

More good information :-)
Wonder if there are still any VADCG TNCs on air?

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

676. Re: IEEE802.11 for HAMs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-17 16:39:10 UTC
From: "Carl R. Stevenson" <wa6vse-shack@fast.net>
Message-ID: <3c94c75b_1@news7.fast.net>
Source record: 6700
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

"Guillaume Filion" <gfk@logidac.com> wrote in message
news:gfk-AFAE99.15550010032002@news.videotron.net...
> Hi all,
>
> For some weeks now, I've been thinking (obscessed) about IEEE802.11 in
> the HAM radio bands. Searching the web and newsgroups with Google didn't
> show much talks about this, any ideas why?
>
> Here are some ideas I've come up with:
>
> First, here's a summary of the two present IEEE802.11 options:
>
> IEEE 802.11b (the most common)
> Freq range: 2.4 GHz
> Data rate: Up to 11 Mbps
> Range: 100 meters (omnidirectional)

MUCH longer ranges achievable with directional antenna.
Consider the Access Point as a "hub" and the user
terminals with antennas pointing at it ... also, if you can
settle for, say 2 Mbps (the system will automatically
"throttle back" to more robust modulations if it can't
maintain link quality at 11 Mbps ...) you can go much
further.

The AP would be analogous to the old packet radio
BBS/digipeater/NETROM node.

As a ham, an engineer who works for a world leader
in 802.11 wireless LAN products, and someone who
is involved with 802.11 standards development, this
is the approach I would recommend (and have been
advocating here ...)

The "clear path" range (like to a decently sited "hub" AP)
can easily be 18+ miles at 11 Mbps ... more at the
lower data rates, which would still be VERY competitive
with DSL or Cable Modem performance.
(note that this is based on the ~+15 dBm TX output that
standard off the shelf PCMCIA "client" cards produce)

I would recommend against going for greatly increased
range with increased power ... if you need a point-point
link with longer range, more antenna gain is the way to
go ... it will be more spectrally efficient from a systems

engineering and frequency reuse standpoint ...)

Bottom line ... inexpensive off the shelf gear is usable
"as is." All that is necessary is to select (in the setup
software that comes with such devices) a channel that
falls in the ham band, turn off encryption (since we're not
allowed to use encrypted transmissions), and ID every
10 minutes (e.g., send a "ping" packet with your call in it).

> IEEE 802.11a
> Freq range: 5 GHz
> Data rate: Up to 54 Mbps
> Range: 50 meters (omnidirectional)
>

Again, range can be increased with directional
antennas, using the "AP as hub" paradigm ... however,
at the moment, 802.11a products are new to market,
there is less competition, and prices are higher.
Also, propagation loss is higher at 5 GHz than at 2.4 GHz,
though that can be overcome with antenna gain ...

For the present, I would start with 802.11b and grow
into 802.11a as it matures over the next few years.
Most manfacturers will be producting dual-band cards
and APs by that time, which will allow a transparent
transition to dual-band hybrid networks.

> What I'm looking for is something like:
> Freq range: UHF (around 800 MHz - in the ham radio freqs)
> Data rate: 3 Mbps (or whatever we can acheive)
> Range: 30 km (omnidirectional)

The 902-928 MHz band could be used, but the cost of
gear would likely be higher, due to the lack of economies
of scale (ham market much smaller than commercial
WLAN market). Cost is a big factor in adoption (we
hams have a reputation for being "frugal") ...

Additionally, the available bandwidth in the 902-928 MHz
band would force you to accept lower data rates in order
to have more than 1 channel and there is more competition
from cordless phones, baby monitors, and all sorts of other
things, not to mention the present amateur uses there.

> We could use existing 802.11b controllers (like Cirrus Logic's CS22250)
> and we would only need to make our own Digital Radio PHY. I guess it
> would be best to make an adapter between standard HAM rig and the
> 802.11b controller.
>
> Standard 802.11b uses the unlicensed 2.4 GHz band and must use Spread
> Spectrum (DSSS and FHSS) to cope with interferences caused by other
> devices using these unlicensed frequencies. This is different in a HAM

> radio situation, since:
> 1) there should not be much interference (we'd use HAM licenced bands)

The 2.4 GHz ham band is a subset of the 2.4-2.4835 GHz ISM band.

> 2) we can legally emit a much stronger signal. I beleive that standard
> IEEE802.11b emits a 100mW signal, we could use 2W or more depending on
> the situation.

As I pointed out above, I don't believe it is necessary to use more power
than most 802.11b devices put out ... antenna gain and good system
design are the key to achieving desirable performance.

> Because of this, I guess it would be preferable to modulate the signal
> on one frequency (no spread spectrum).

Again, you are talking about reinventing a wheel that industry has
spend bazillons of dollars inventing, optimizing, and cost-reducing,
and which is completely usable by hams "as is." To reinvent this
wheel will IMHO is not the best approach, since it will result in the
inability to leverage that existing technology with the result that a
"ham-specific" design will be more costly.

I think this is a case where "adopt" is a FAR more sensible and
cost-effective approach than "re-invent."

73,
Carl - wa6vse

677. Re: IEEE802.11 for HAMs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-17 16:48:54 UTC
From: "Carl R. Stevenson" <wa6vse-shack@fast.net>
Message-ID: <3c94c93d_2@news7.fast.net>
Source record: 6601
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

"D. Stussy" <kd6lvw@bde-arc.ampr.org> wrote in message
news:Pine.LNX.4.44.0203110407260.21850-100000@exp.bde-arc.ampr.org...
...And just where were you when this was being discussed on
"rec.radio.amateur.policy" in January? Apparently, there are some amateurs
and
many NON-amateurs who are doing things with these devices.....

I don't see any need to chastize Guillaume for not having
seen the previous discussion ... better, IMNSHO, to simply
bring him up to speed as I tried to do in my reply to his
query ...

Carl - wa6vse

On Sun, 10 Mar 2002, Guillaume Filion wrote:
>For some weeks now, I've been thinking (obscessed) about IEEE802.11 in
>the HAM radio bands. Searching the web and newsgroups with Google didn't
>show much talks about this, any ideas why?
>
>Here are some ideas I've come up with:
>
>First, here's a summary of the two present IEEE802.11 options:
>
>IEEE 802.11b (the most common)
>Freq range: 2.4 GHz
>Data rate: Up to 11 Mbps
>Range: 100 meters (omnidirectional)
>
>IEEE 802.11a
>Freq range: 5 GHz
>Data rate: Up to 54 Mbps
>Range: 50 meters (omnidirectional)
>
>What I'm looking for is something like:
>Freq range: UHF (around 800 MHz - in the ham radio freqs)
>Data rate: 3 Mbps (or whatever we can acheive)
>Range: 30 km (omnidirectional)
>
>
>We could use existing 802.11b controllers (like Cirrus Logic's CS22250)
>and we would only need to make our own Digital Radio PHY. I guess it
>would be best to make an adapter between standard HAM rig and the
>802.11b controller.

>
>Standard 802.11b uses the unlicensed 2.4 GHz band and must use Spread
>Spectrum (DSSS and FHSS) to cope with interferences caused by other
>devices using these unlicensed frequencies. This is different in a HAM
>radio situation, since:
>1) there should not be much interference (we'd use HAM licenced bands)
>2) we can legally emit a much stronger signal. I beleive that standard
>IEEE802.11b emits a 100mW signal, we could use 2W or more depending on
>the situation.
>Because of this, I guess it would be preferable to modulate the signal
>on one frequency (no spread spectrum).
>
>Any idea on how technically/legally feasable this is? This idea is more
>day dreaming than reality so don't be shy to day dream with me... 8)
>
>73,
>GFK's
>
>--
>Guillaume Filion
>Logidac Tech., Beaumont, Qu�bec, Canada - http://logidac.com/
>PGP Key and more: http://guillaume.filion.org/ (this will redirect)
>PGP Fingerprint: 14A6 720A F7BA 6C87 2331 33FD 467E 9198 3DED D5CA
>

678. Re: IEEE802.11 for HAMs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-17 16:55:55 UTC
From: "Carl R. Stevenson" <wa6vse-shack@fast.net>
Message-ID: <3c94cacb_1@news7.fast.net>
Source record: 6602
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

"Paul Keinanen" <keinanen@sci.fi> wrote in message
news:i0jo8uoig8rpb4lfbmrqqlh7q6v7dt2p8d@4ax.com...
>
> In communications between two stations on the ground, there is a huge
> amount of interference due to multipath propagation. For any higher
> data rates, some forms of spread spectrum or multicarrier (OFDM) is
> definitely required, in addition to the normal bit interleaving and
> ECC.
>
> Still there is the 100 - 1500 W legal limit depending on the country.
> High data rates and long distances require a considerable amount of
> effective radiated power. If you insist on omnidirectional antennas,
> the required transmitter power is enormous.
>
> Paul OH3LWR
>

I agree completely with Paul ... directive antennas and using
the 802.11b "Access Point" as a "hub" (similar to a digipeater,
NETROM node, or such) and sticking with the ~+15 dBm TX
power that's typically produced by standard 802.11b "client"
products is a more practical and economical solution ... and
one that's available NOW ...

Carl - wa6vse

679. Re: IEEE802.11 for HAMs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-17 17:05:51 UTC
From: "Carl R. Stevenson" <wa6vse-shack@fast.net>
Message-ID: <3c94cd22_2@news7.fast.net>
Source record: 6603
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

"Guillaume Filion" <gfk@logidac.com> wrote in message
news:gfk-44803B.16555111032002@news.videotron.net...
>
> Darn... 8(I'm pretty surprised that it takes that much power to send in
> omni. Excuse my cluelessness, but how come amateurs communicate in the
> 800 MHz band with a repeater located at 20 km without line of sight
> using a 1 W radio? Less bandwidth?

Yup ... FM with +- 5 kHz max deviation results in a bandwidth in
the order of 30 kHz ... with the result that the system noise floor
is much lower ... 802.11b's channels are spaced 20 MHz and
the bandwidth of the signal is about 16 MHz ... (there is some
spectrum for guard bands between channels)

You need that kind of bandwidth to get the high data rates, but
the unavoidable result is a higher system noise floor. (No such
thing as a free lunch ... Shannon rules)

> Darn... bis! 8) Now my cluelessness shows! And all that time I tought
> that spread spectrum was only used to prevent frequency jamming and
> severe interference. One of the reason that I didn't want to use spread
> spectrum was not to pollute the frequency space. Is spread spectrum (of
> OFDM) possible on only a few frequencies?

Spread spectrum doesn't "polute the frequency space" ... it
provides some degree of robustness in terms of both rejecting
interference from other sources and being more multipath
tolerant ... OFDM achieves multipath tolerance by sending the
data in parallel on multiple carriers at much lower symbol rates,
thus allowing much larger delay spreads to be tolerated.

> I don't think that this would be possible to emit a 300 W signal,
> espicially on a mobile application...

Whoa there ... if you're talking mobile rather than fixed operation,
you're going to have a host of additional problems ... that would
take a considerable amount of explaination/discussion, but I
would advocate that 2.4 and 5 GHz be used for fixed/portable
operations with directional antennas and the "AP as hub"
architecture ... this will allow some really neat, useful applications
and will not present the MUCH more difficult problems associated
with mobile in motion operations ...

Carl - wa6vse

680. Re: Amateur Radio News Flash

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-17 17:42:07 UTC
From: Tony Hoffman <thoffman@cox.net>
Message-ID: <Pz4l8.15593$7B2.464572@news1.east.cox.net>
Source record: 6604

Anyone who destroys the Ham bands to fulfill their
political or religious agenda, should be forced to
pay a commercial radio license fee.

"privacynfreedom" <prvcynfreedom@adelphia.net> wrote
> Apparently the result of anti political views, and specifically because of
> direct remarks about President George W. Bush with allegations of
negligence
> on his part and the part of other government officials regarding what he
> refers to as the alleged terrorist attacks on World trade Center on 9-11.
>
> The United States Government has mounted an attack against Mr. Dreas an
> amateur radio operator, holder of amateur license callsign KE4GDX.

681. Re: IEEE802.11 for HAMs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-17 17:45:11 UTC
From: "Carl R. Stevenson" <wa6vse-shack@fast.net>
Message-ID: <3c94d65e_1@news7.fast.net>
Source record: 6605
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

"Guillaume Filion" <gfk@logidac.com> wrote in message
news:gfk-E71355.09061916032002@news.videotron.net...
> I guess you're right, 2Mbps is not really needed. 1Mbps for a fixed
> station and 100Kbps for mobile stations would be more resonnable. I
> don't know if it's possible to use IEEE802.11 at such low speeds. I
> really would want to use it, since it has some real interesting features
> such as ad hoc networks, being OS and protocol independant and there's a
> lot a chips available that support it.

1 Mbps is the lowest (and therefore most robust) data rate
supported under 802.11b (which is virtually all of the current
2.4 GHz product available) ...

For lower rates, a custom PHY would be required. Also,
the 802.11 MAC might present some problems for lower
rates ... but I am more a PHY guy than a MAC guy, so I
would have to study the MAC more to give a definitive
answer, but I believe there would likely be issues that could
prevent the use of off-the-shelf (volume, inexpensive) MAC
chips as well.

Carl - wa6vse

682. Re: IEEE802.11 for HAMs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-17 17:55:54 UTC
From: Tony Hoffman <thoffman@cox.net>
Message-ID: <KM4I8.15688$7B2.467334@news1.east.cox.net>
Source record: 6606
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

"Carl R. Stevenson" <wa6vse-shack@fast.net> wrote
>
> Bottom line ... inexpensive off the shelf gear is usable
> "as is." All that is necessary is to select (in the setup
> software that comes with such devices) a channel that
> falls in the ham band,

A channel falling into the Ham bands, is no guarantee
that emissions will not occur outside the Ham bands. It's
merely a center frequency. Do you have an example
product that meets this test? With Analyzer printouts?

> turn off encryption (since we're not
> allowed to use encrypted transmissions), and ID every
> 10 minutes (e.g., send a "ping" packet with your call in it).

You can use encryption. You just can't transmit "...messages
in codes or ciphers intended to obscure the meaning thereof,
except as otherwise provided herein;..."

As long as you publish the password, it isn't obscured, and
it will surely result in a better signal.

My personal opinion, is that this stuff works just fine within
the Part-15 rules, and using it in Part-97 is a waste of good
equipment, because the rules are so restrictive.

683. Re: IEEE802.11 for HAMs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-17 18:15:47 UTC
From: Tony Hoffman <thoffman@cox.net>
Message-ID: <n35l8.15907$7B2.470891@news1.east.cox.net>
Source record: 6607
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

When the Proxim Symphony line came out (FHSS),
I jumped at the chance to use two of these on a Linux
network.

After about 5 years of use, I was completely worn out.

I haven't tried DSSS, but I think there are probably major
advantages.

The part that wore me out, was the weather. Wind storms,
Ice Storms, Inversions, etc. Every weather phenomina
associated with propagation conspired to require my
climbing the damn tower, usually when I was the least
interested in doing that.

I would recommend that anyone using a directional antenna
with this stuff, have a heated radome, and a rope to knock
off the ice on the radome :-)

I may do an article on homebrew inflated rubber radomes
and heat lamps :-)

684. Re: IEEE802.11 for HAMs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-17 18:39:14 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <o5h99ugmrnlndn7i0cg29sujums4ubkn7l@4ax.com>
Source record: 6608
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

On Sat, 16 Mar 2002 09:06:20 -0500, Guillaume Filion <gfk@logidac.com>
wrote:

>> The attenuation for other paths is (much) greater. My experience with
>> HTs on 1.3GHz in a varying terrain, with the other station more than
>> 100 m AGL, is that a usable connection can be maintained to about 10
>> km with occasional spots over 20 km. However, the bandwidth was only
>> 16 kHz, so scaling up to a more than 1 MHz bandwidth, we are talking
>> about power levels around 100 W.
>What speeds were you getting with a 16 KHz bandwidth?

This was just ordinary analog narrow band FM (NBFM) handheld
transceivers (HT), so how do you calculate the "speed" for such. The
number of words exchanged during a minute ?

With such narrow bandwidth, there was quite a few multipath signal
fades into noise. When the cars were moving quite rapidly, there was
about 50-100 fades each second and in fact the speech was more
readable than when the car slowed down (and usually ended in a
stationary null when the car stopped for a traffic light :-).

In such an environment ordinary 1200 bit/s AFSK AX.25 would have been
completely useless. As long as the car was moving, I guess that some
protocol with interleaving and ECC could transfer a few kilobits/s in
a speech bandwidth, but in order to be able to communicate when the
transceiver is stationary, some sort of frequency agility would be
required (e.g. frequency hopping) to avoid the multipath null.

Paul OH3LWR

685. Re: IEEE802.11 for HAMs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-17 19:05:13 UTC
From: "Carl R. Stevenson" <wa6vse-shack@fast.net>
Message-ID: <3c94e938_2@news7.fast.net>
Source record: 6609
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

"Tony Hoffman" <thoffman@cox.net> wrote in message
news:KM4l8.15688$7B2.467334@news1.east.cox.net...
> "Carl R. Stevenson" <wa6vse-shack@fast.net> wrote
> >
> > Bottom line ... inexpensive off the shelf gear is usable
> > "as is." All that is necessary is to select (in the setup
> > software that comes with such devices) a channel that
> > falls in the ham band,
>
> A channel falling into the Ham bands, is no guarantee
> that emissions will not occur outside the Ham bands. It's
> merely a center frequency. Do you have an example
> product that meets this test? With Analyzer printouts?

The "mask" is pretty tight because of the requirements
in Part 15 to meet out of band emissions requirements
in the adjacent "restricted bands" ... I will endeavour to
take a closer look at this, but my initial reaction is that
we should be OK as long as we keep the TX powers
comparable to what typical 802.11b devices put out.

> > turn off encryption (since we're not
> > allowed to use encrypted transmissions), and ID every
> > 10 minutes (e.g., send a "ping" packet with your call in it).
>
> You can use encryption. You just can't transmit "...messages
> in codes or ciphers intended to obscure the meaning thereof,
> except as otherwise provided herein;..."
>
> As long as you publish the password, it isn't obscured, and
> it will surely result in a better signal.

What would be the point of "using encryption and then
publishing the password?" Don't confuse encryption
with FEC coding ... the encryption coding is just to
obscure meaning and doesn't improve signal quality.

> My personal opinion, is that this stuff works just fine within
> the Part-15 rules, and using it in Part-97 is a waste of good
> equipment, because the rules are so restrictive.

You're talking about content restrictions, it seems ... while
it is true that you can do things under Part 15 that would
be outright illegal under Part 97, I still believe that there are
some really interesting and useful applications under Part 97.

Carl - wa6vse

686. Re: IEEE802.11 for HAMs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-17 19:17:39 UTC
From: Tony Hoffman <thoffman@cox.net>
Message-ID: <nZ5l8.17283$7B2.483994@news1.east.cox.net>
Source record: 6610
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

"Carl R. Stevenson" <wa6vse-shack@fast.net> wrote
> "Tony Hoffman" <thoffman@cox.net> wrote
> > "Carl R. Stevenson" <wa6vse-shack@fast.net> wrote
> > >
> > > Bottom line ... inexpensive off the shelf gear is usable
> > > "as is." All that is necessary is to select (in the setup
> > > software that comes with such devices) a channel that
> > > falls in the ham band,
> > >
> > A channel falling into the Ham bands, is no guarantee
> > that emissions will not occur outside the Ham bands. It's
> > merely a center frequency. Do you have an example
> > product that meets this test? With Analyzer printouts?
>
> The "mask" is pretty tight because of the requirements
> in Part 15 to meet out of band emissions requirements
> in the adjacent "restricted bands" ... I will endeavour to
> take a closer look at this, but my initial reaction is that
> we should be OK as long as we keep the TX powers
> comparable to what typical 802.11b devices put out.
>
> > > turn off encryption (since we're not
> > > allowed to use encrypted transmissions), and ID every
> > > 10 minutes (e.g., send a "ping" packet with your call in it).
> > >
> > You can use encryption. You just can't transmit "...messages
> > in codes or ciphers intended to obscure the meaning thereof,
> > except as otherwise provided herein;..."
> > >
> > As long as you publish the password, it isn't obscured, and
> > it will surely result in a better signal.
>
> What would be the point of "using encryption and then
> publishing the password?" Don't confuse encryption
> with FEC coding ... the encryption coding is just to
> obscure meaning and doesn't improve signal quality.

I was thinking more like random data driving the modulator,
but this may be redundant in a DSSS system?? Along
the lines of a scrambler in a K9NG or G3RUH modem.

> > My personal opinion, is that this stuff works just fine within
> > the Part-15 rules, and using it in Part-97 is a waste of good
> > equipment, because the rules are so restrictive.

>
> You're talking about content restrictions, it seems ... while
> it is true that you can do things under Part 15 that would
> be outright illegal under Part 97, I still believe that there are
> some really interesting and useful applications under Part 97.

I'd be interested to know your thoughts.

Tony

687. Re: IEEE802.11 for HAMs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-17 19:22:12 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <30q99us6taqmcu49ri57r95v5do63ro3dk@4ax.com>
Source record: 6611
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

On Sun, 10 Mar 2002 15:55:00 -0500, Guillaume Filion <gfk@logidac.com>
wrote:

>What I'm looking for is something like:
>Freq range: UHF (around 800 MHz - in the ham radio freqs)
>Data rate: 3 Mbps (or whatever we can acheive)
>Range: 30 km (omnidirectional)

To get some feeling what those specifications would mean in practice,
it is interesting to compare it to an existing system.

Similar data rates, distances and mobile omnidirectional reception are
typical for DAB (Digital Audio Broadcast), which at least in VHF uses
COFDM and I assume that the L-band DAB system used in Canada is also
using it. You may try to find out the actual transmitter power used
and reliable communication range obtained for such systems.

Paul OH3LWR

688. Re: IEEE802.11 for HAMs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-17 19:46:45 UTC
From: Tony Hoffman <thoffman@cox.net>
Message-ID: <Fo6l8.17296$7B2.490266@news1.east.cox.net>
Source record: 6612
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

>What I'm looking for is something like:
>Freq range: UHF (around 800 MHz - in the ham radio freqs)
>Data rate: 3 Mbps (or whatever we can acheive)
>Range: 30 km (omnidirectional)

I think JTIDS at 1 GHz could do this. Works at up to
Mach 7 in speed, as well as fixed. It uses a combination
of Direct Sequence and Frequency Hopping.

Very Expensive :-)

689. FA: McKay Dymek AM7 TUNER - AM / Long Wave Tuner

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-18 01:40:31 UTC
From: Daniel Simpson <dzan@qwest.net>
Message-ID: <170320021940317961%dzan@qwest.net>
Source record: 6613

FA: McKay Dymek AM7 TUNER - AM / Long Wave Tuner.

A AM7 tuner is basically a AM5 with the addition of the Long Wave Band. Used in Europe. That you can receive along the east and west coast of the US. (See Information Below)

Long Wave Information:
"155 to 281 kHz: This is another AM broadcasting band in Europe and parts of Asia. In Europe, there are numerous high powered (1,000,000 watts or more) stations here. These stations are capable of covering an entire European nation like France or Germany with reliable signals around the clock. Although ionospheric propagation is not good at these frequencies, the high powers used means that many of these broadcasters can be heard along the Atlantic seaboard during the fall and winter. Best reception is usually from local sunset to about 0600 UTC. A few long Wave stations in Asiatic Russia can be heard on the Pacific Coast beginning an hour or so before local sunrise."

A Detroit Michigan user said:
"I have an AM-7 and a DA-7. They make a nice pair together. Unfortunately, there's not too much long Wave possible except on a few winter nights when I can pick up some of the powerhouses from Europe on the AM-7. I have heard Morocco, France, and BBC on longwave here in Detroit. In fact, this winter, I got them pretty regularly"

SPECIFICATIONS:
* Two Band High Fidelity Solid State Tuner
* Frequency Range: 540-1605 kHz. Standard AM broadcast band,150-300 kHz Long Wave
* Sensitivity: 6.0 ,uV for 10 dB signal to noise ratio on Long Wave Band. 3.0 uV for 10 dB signal to noise ratio on Standard AM broadcast band.
* AGC Characteristic: Less than 6 dB output variation for an input level change of 10,uV to 10 mV.
* Bandwidth: -3 dB RF Narrow - 6 kHz; Wide - 15 kHz
* I.F. Rejection: 45 dB
* Audio Frequency Response: -3 dB @ 15 Hz, 7500 Hz
* Audio Whistle Filter: 9 kHz
* Distortion: 1 kHz @ 30% modulation: 0.5% 1 kHz @ 50% modulation - 1.0%, 1 kHz @ 80% modulation - 1.5% (1 mv @ 1 MHz input, wide & distant mode).
* Audio Output: Standard: 1V RMS- 5K output.
* Shipping weight: 12 lbs. (5.5 Kg.)
* Dimensions: 17-1/2" x 10" x 3-1/2" (43cm x 25cm x 9cm)

Features

The McKay Dymek AM 7 TUNER is an all solid state high fidelity AM/Long Wave tuner combining extremely low distortion with excellent sensitivity, selectivity, and a wide audio range. The AM 7 is compatible with professional studio equipment as well as high fidelity "home" sound systems. The low profile black and teak cabinetry makes the AM 7 an attractive addition to any system or decor.

Broadcasters all over the country report excellent results using Dymek Equipment as low cost monitors. As one station executive wrote, after using the Dymek as the standard, "our signal was as close to 'FM on the AM band' as we could get".

reception from local or distant stations is assured by a choice of narrow or wide bandwidth selections at the front panel. To prevent an overload of the "frontend" that may be caused by strong local stations, an attenuator in the antenna circuit has been included. An illuminated, easy-to-read tuning meter aids in ease of tuning and is standard equipment on all Dymek tuners.

Remarkable selectivity is achieved with two eleven element ceramic filters. A whistle filter eliminates most bothersome noise common to AM listening. Distortion is low and sensitivity helps pull in those distant stations; lets you take advantage of AM's natural long range capabilities - hear stations which were previously unlistenable. Wide and narrow bandwidth selectors assure optimum local and distant reception. Illuminated tuning meter.

The Dymek outreach for perfection in AM reception has produced the Am 7. Unlike conventional AM tuners, the AM 7 allows full and accurate reproduction of transmitted program material. For the first time, AM reception is not limited by the receiving equipment The complete transmitted fidelity may now be fully enjoyed and appreciated.

McKay Dymek is the leading producer of AM high fidelity receiving equipment. Authoritative hi fi magazines agree that the quality of AM reception provided by Dymek equipment is truly excellent. This fact is further established by the acceptance of our products by scores of AM broadcasting stations throughout the United States. Many stations use more than one Dymek tuner to monitor and insure their transmitted quality.

For many years very high quality AM transmitters have been operating, but due to the mediocre performance of available AM receiving equipment, most high fidelity experts believed AM reception to be of inherently poor quality.

It is truly a difficult challenge to design and manufacture a tuner capable of high quality AM reception. McKay Dymek engineers accepted this challenge and, after expending great effort, have succeeded in the design of the AM 7.

The McKay Dymek AM 7 tuner is a precision, solid state AM instrument of the highest quality.

Innovations have been engineered to provide:

Very low distortion even at high modulation levels using a unique hot carrier biased diode detector.

Extremely wide frequency response through the use of expensive ceramic filters.

High sensitivity for reception of weak, distant stations.

Once you have listened to AM radio on the AM 7, surely you will agree with our many satisfied customers: the AM 7 is a truly superior addition to any high fidelity system.

RIF SECTION Dual antenna connectors are provided on the rear panel. An RCA type connector is provided for coaxial cable antenna systems. There is also a set of terminals for direct connection to a longwire antenna and external grounding.

A Dymek AM 7 tuner represents the very best in AM/Long Wave listening. Try it!

Note:This unit needs an external antenna to work I used a terk AM antenna with this unit and it worked well. I am also putting this antenna up for sale. Check for it on ebay. and will need a Long Wave Antenna to receive Long Wave. Like a Mckay Dymek DA7 Antenna or a QUANTUM QX PRO LOOP.

This unit has some minor scratches on the top also a scratch on dial under czech USSR (could be fixed with black paint or marker from the inside) and missing ground plug (see pictures). Otherwise it is in Great Shape!

I accept Paypal, Billpoint & Money Orders. $12.00 for shipping-Continental US only. Insurance optional at buyers expense. Winner to pay within 7 Days of auction close. Email me with questions.

Thank You and Good Luck!!

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1340216198

690. FA: Terk Advantage AM Antenna

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-18 02:01:52 UTC
From: Daniel Simpson <dzan@qwest.net>
Message-ID: <170320022001526451%dzan@qwest.net>
Source record: 6614
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment

FA: Terk Advantage AM Antenna

Finally an AM antenna that is truly beautiful!

When appearance is an issue you finally have a great choice! It has most of the power of a Select-A-Tenna plus it is a handsome addition to any decor. It comes with wires like the Select-A-Tenna Hardwire model for direct connection to your stereo or can be used like the regular model Select-A-Tenna. It certainly blows away any of the smaller antennas supplied with a stereo. Size: 9.5ï¿½ high.

The Terk AM Advantage AM antenna dramatically improves the AM reception from any receiver, tuner or portable radio. Its unique passive wireless technology eliminates the need for connectors, batteries and power cords ï¿½ simply place the AM Advantage near the receiver or radio.

The AM Advantage combines wireless convenience with advanced tuning technologies such as Terk's exclusive Pin-Dot Pre-Tuningï¿½ that zeroes in on even hard-to-get stations by tuning the antenna to the station's frequency.

Features:

* Pin-Dot Pre-Tuning dial adjusts antenna to a specific frequency for best reception of individual stations
* Compact design allows easy placement
* Non-skid base keeps antenna in place during adjustment
* Reception pattern: Omindirectional
* Dimensions: 9.5"H x 9.5" W x 2.5"D
* Wire For Direct connection

AM Advantage Q&A
Does this antenna need power for it to work? Also, how can I connect it to my radio?
The AM Advantage is designed for "wireless operation"--that is, it does not need AC or battery power and will actually provide signal to your radio or receiver without having to be connected with wires. However, if your radio or receiver has connections for an external AM antenna, we supply a wire with the AM Advantage to connect the antenna to the input, should you choose to do so. The solid black wire connects to the terminal on the radio or receiver labled "AM in," while the wire with the white stripe on it connects to the terminal labeled "ground."

Can I extend the wire on my AM Advantage to place it on a windowsill or somewhere away from my receiver?

You can extend the wire with by splicing it with insulated doorbell wire, which is available at any do-it-yourself electronics or hardware store. However, we do not suggest doing this, because the length of the wire is calibrated to correspond with the tuning dial on the AM Advantage. When you extend the wire on the AM Advantage, you also change the resistance of the antenna, which will cause the station indications on the dial to be inorrect.

Why does my antenna work better when I touch it?
When you touch the antenna with your feet on the ground, your body is actually acting as a giant antenna and affecting your AM Advantage's reception. You have to let go of the antenna and move away from it to determine its reception performance.

Can I make the wires on my antenna longer?
No. When you make an AM antenna lead longer, you make it more susceptible to interference. The longer the lead, the more interference you are likely to hear. Also, lengthening the cable will change the impedance of the antenna and degrade reception performance.

Why does the antenna work better when my radio and antenna are next to a window?
Many building materials can affect AM and FM signal reception. Metal, brick and stone between the radio station and the antenna will decrease the strength of the signal. to the antenna. However, glass does not block radio signals, and locating your antenna next to a window allows the antenna to receive a cleaner, stronger signal.

This unit is in good to great shape. It shows some scuffs in the rubber base. and that is all.

I accept Paypal, Billpoint & Money Orders. $9.00 for shipping-Continental US only. Insurance optional at buyers expense. Winner to pay within 7 Days of auctions close. Email me with questions.

Thank You and Good Luck!!

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1340212771

691. Re: Help With Setup Of Tiny-2 For APRS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-18 02:51:37 UTC
From: Owen Duffy <owen@oda.com.au>
Message-ID: <3C955639.D26EE1D7@oda.com.au>
Source record: 6615
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.radio.amateur.equipment

Doug Gavilanes wrote:
>
> I am having a problem with setting up a Tiny-2 TNC for mobile APRS. I
> had it all figured out and had the TNC up and running fine, but a couple
> of days ago, the memory defaulted back to a clean slate in the EEPROM
> (MYCall was NOCALL, etc.).

I tried to use a Tiny-2 MkII and a generic TNC-2 compatible in a mobile situation.

The devices were very prone to an apparent re-initialisation of the configuration to some cold start values. I could improve both devices by installing brown out protection in the CPU reset area. The brown out protection is to prevent the CPU running when the voltage got too low to be reliable, and both TNCs suffered from that problem when the vehicle engine was cranked. While it improved things, the TNCs would still occasionally cold start.

This indicates to me that the way in which writes to RAM are handled are prone to power loss during the process and are inherently unreliable.

The best answer seemed to burn an EPROM with customised power on defaults.

I asked Paccomm if they had info on the data areas in the EPROM so that I might burn custom cold start values, but they didn't reply (no surprises there). I just put that down to experience like the other problems with the Tiny-2 (incorrectly wired modem disconnect header, charge pump capacitors installed incorrectly).

Bottom line is that the TNC-2 has more capability than required for APRS and common implementation (like the Tiny-2) are not robust. If you must use a TNC-2, find a ROM image that is usable for APRS and that has published cold start data vectors so that you can make sure it cold starts the way you need.

Owen

692. Re: IEEE802.11 for HAMs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-18 03:21:58 UTC
From: "Carl R. Stevenson" <wa6vse-shack@fast.net>
Message-ID: <3c955dc7_1@news7.fast.net>
Source record: 6616
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

```
"Tony Hoffman" <thoffman@cox.net> wrote in message
news:nZ5l8.17283$7B2.483994@news1.east.cox.net...
> "Carl R. Stevenson" <wa6vse-shack@fast.net> wrote
> > "Tony Hoffman" <thoffman@cox.net> wrote
> > > "Carl R. Stevenson" <wa6vse-shack@fast.net> wrote
> > > >
> > > > Bottom line ... inexpensive off the shelf gear is usable
> > > > "as is." All that is necessary is to select (in the setup
> > > > software that comes with such devices) a channel that
> > > > falls in the ham band,
> > > >
> > > A channel falling into the Ham bands, is no guarantee
> > > that emissions will not occur outside the Ham bands. It's
> > > merely a center frequency. Do you have an example
> > > product that meets this test? With Analyzer printouts?
> > >
> > The "mask" is pretty tight because of the requirements
> > in Part 15 to meet out of band emissions requirements
> > in the adjacent "restricted bands" ... I will endeavour to
> > take a closer look at this, but my initial reaction is that
> > we should be OK as long as we keep the TX powers
> > comparable to what typical 802.11b devices put out.
> >
> > > > turn off encryption (since we're not
> > > > allowed to use encrypted transmissions), and ID every
> > > > 10 minutes (e.g., send a "ping" packet with your call in it).
> > > >
> > > You can use encryption. You just can't transmit "...messages
> > > in codes or ciphers intended to obscure the meaning thereof,
> > > except as otherwise provided herein;..."
> > > >
> > > As long as you publish the password, it isn't obscured, and
> > > it will surely result in a better signal.
> > >
> > What would be the point of "using encryption and then
> > publishing the password?" Don't confuse encryption
> > with FEC coding ... the encryption coding is just to
> > obscure meaning and doesn't improve signal quality.
>
> I was thinking more like random data driving the modulator,
> but this may be redundant in a DSSS system?? Along
> the lines of a scrambler in a K9NG or G3RUH modem.
```

There is data "whitening" in the 802.11 standards.

> > > My personal opinion, is that this stuff works just fine within
> > > the Part-15 rules, and using it in Part-97 is a waste of good
> > > equipment, because the rules are so restrictive.
> >
> > You're talking about content restrictions, it seems ... while
> > it is true that you can do things under Part 15 that would
> > be outright illegal under Part 97, I still believe that there are
> > some really interesting and useful applications under Part 97.
>
> I'd be interested to know your thoughts.
>
> Tony

Basically, I think that whatever we can legally do as hams
in networking is "interesting and useful" I don't browse
"hotbabes.com" on the internet, so why would I want/need
to on ham radio?

Commercial content can be filtered ... witness the programs
you can download to keep "pop-up ads" from coming up in
your browser.

Carl - wa6vse

693. Packet Problems

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-18 04:58:18 UTC
From: KC8PMX <kc8pmx@NOSPAMdiamondcs.net>
Message-ID: <a74rr651906@enews1.newsguy.com>
Source record: 6619
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

I have recently aquired a A & A Engineering Packet Modem which I am told is supposed to be one of the "baycom" type of packet modems. I cannot seem to get this thing to work and looking for help/tips/suggestions.

I have downloaded quite a few different pieces of software but apparently none of these seem to be the right one for it. I even tried downloading the baycom software but every time I get the download, and open it up it states it is corrupted regardless of source downloaded from. Maybe if I had the right software, this thing would work. The floppy included with this when I bought it, was the prior owners "boot disk" as it appears.

One problem I have noticed for sure is that no matter which PC I attempt to connect the serial cable between the packet modem and the serial port on either the laptop or the home pc, the thing automatically sticks in TX mode. Have also tried this on a few other PC's other than my own two PC's.

Any ideres on this?

--
Ryan, KC8PMX
FF/MFR

www.qsl.net/w8kea

694. VX-(1/5)R > 1200bps Packet?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-18 07:31:44 UTC
From: Nick Papadonis <npapadon@yahoo.com>
Message-ID: <m38z8qxrpj.fsf@yahoo.com>
Source record: 6617
Cross-posted to: rec.radio.amateur.misc,alt.ham-radio,rec.radio.amateur,rec.radio.amateur.digital.misc

I own a Yaesu VX-5R and have managed to get it communicating at
1200bps AFSK using the Linux soundmodem. I am unable to establish
9600bps FSK to a radio in the same building!

Is the VX-5R not 9600bps capable? If anyone has any insight it is
much appreciated.

Thanks

--
- Nick

695. Re: PACLEN 312 AX.25 L2V2.1 KISS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-18 12:13:15 UTC
From: Terry Dawson <terry@animats.net>
Message-ID: <3C95D9DB.4080407@animats.net>
Source record: 6618

Hank Oredson wrote:

>>The only KISS ROM for the VADCG TNC+ handles arbitrarily large frames without
>>difficulty. :
>
> More good information :-)
> Wonder if there are still any VADCG TNCs on air?

Sure there are. I can point to at least five in operation around the local
packet network.

regards
Terry

696. Re: VX-(1/5)R > 1200bps Packet?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-18 17:12:58 UTC
From: Christopher Maness <chris@ns2.internetinsite.com>
Message-ID: <uepl8.4071$BP1.2497@nwrddc04.gnilink.net>
Source record: 6620
Cross-posted to: rec.radio.amateur.misc,alt.ham-radio,rec.radio.amateur,rec.radio.amateur.digital.misc

Generally, no standard FM rig is 9600bd capable unless it is included as a mod
or a feature. 9.6K operation requires the audio to be taken directly off of
the discriminator circuit.

In rec.radio.amateur Nick Papadonis <npapadon@yahoo.com> wrote:
> I own a Yaesu VX-5R and have managed to get it communicating at
> 1200bps AFSK using the Linux soundmodem. I am unable to establish
> 9600bps FSK to a radio in the same building!
>
> Is the VX-5R not 9600bps capable? If anyone has any insight it is
> much appreciated.
>
> Thanks
>
> --
> - Nick

--

My religion consists of a humble admiration of the illimitable superior
spirit who reveals himself in the slight details we are able to perceive
with our frail and feeble mind.
-- Albert Einstein

Christopher G. Maness | 4243 Central Ave. | http://www.chrismaness.com
Home: (909) 686-5010 | Riverside, CA 92506 | kq6up@kq6up.#sca.ca.us.noam
Cell: (909) 223-9179 | ----------| http://www.kq6up.org
Pgr: (800) 960-0543 | Carpe Diem! | telnet://kq6up.ampr.org
---

697. Radio And Sound Card Audio Link "RASCAL"

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-19 01:10:20 UTC
From: Jim <kg4raw@comcast.net>
Message-ID: <%dwl8.13350$4l.1476168@bin4.nnrp.aus1.giganews.com>
Source record: 6621

Can a RASCAL be used for Packet or APRS?

698. Re: PACLEN 312 AX.25 L2V2.1 KISS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-19 07:37:41 UTC
From: George Rossopoulos <grosopoulos@openet.gr>
Message-ID: <1016523569.486612@athprx02.forthnet.gr>
Source record: 6622

Hi

>
> The V2.1 specification says that frames larger than 256 bytes of
> information field my be used by any connection where the two ends
> agree on the larger frame size. See the 7th computer networking
> conference paper and the follow up papers on the topic.
>
Nice, my AGWTERMINAl has a hidden future, you can do YAPP with really large
frames.
Not too much tested but as i can recall it was working...

> > As for the kiss mode, there is no problem with frame len. I am using for
> > tcpip 2000bytes which fast enough.
>
> Which TNCs?
1.External tnc2 with NORD<>LINK eprom .It works also with smack kiss
2.My Soundcard modem

73

--
(SV2AGW) Rossopoulos George
sv2agw@pigeon.ee.auth.gr
sv2agw@elcom.gr
http://www.elcom.gr/sv2agw

>
> What I'm trying to verify is which specific versions of firmware in
> which TNCs have been tested.
>
> > 73
> >
>
>
> --
>
> ... Hank
>
> Hank: http://horedson.home.att.net
> W0RLI: http://w0rli.home.att.net
>
>
>

699. Re: PACLEN 312 AX.25 L2V2.1 KISS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-19 10:37:03 UTC
From: Alexander Kurpiers <a.kurpiers@nt.tu-darmstadt.de>
Message-ID: <3C9714CF.1ABE0511@nt.tu-darmstadt.de>
Source record: 6623

Hank Oredson wrote:
>
> "George Rossopoulos" <grosopoulos@openet.gr> wrote in message
> news:1016182929.429195@athprx02.forthnet.gr...
> > Hi
> >
> >
> > > Anyone running PACLEN 312 with AX.25 L2V2.1 using KISS?
> > AX.25 L2V2.1 specifies that maximum datalen is 255 bytes.
> >
> > If you are using a higher value then you are not in AX.25 L2V2.1, but
> > something yours!!!
>
> The V2.1 specification says that frames larger than 256 bytes of
> information field my be used by any connection where the two ends
> agree on the larger frame size. See the 7th computer networking
> conference paper and the follow up papers on the topic.

As far as I remember there is no way to "agree on frame size" in normal
V2.1.
You just transmit whatever frame size you want. Only the higher layers
include
means for window size etc.

Actually I don't see the point of transmitting longer frames. As we are
still using uncoded transmission I would increase the window size (use
more
pakets eg. the EAX25 thing with modulo 127 addressing instead of just
7),
not the packet size. The likelihood of frame errors is more or less
proportional
to the packet size.

73' Alexander

--
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700. Re: PACLEN 312 AX.25 L2V2.1 KISS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-19 12:59:29 UTC
From: Tony Hoffman <thoffman@cox.net>
Message-ID: <RCGI8.26607$7B2.842986@news1.east.cox.net>
Source record: 6624

"Alexander Kurpiers" <a.kurpiers@nt.tu-darmstadt.de> wrote
>
> Actually I don't see the point of transmitting longer frames.

Longer frames on a solid link, transports more data in a
shorter amount of time.

With AX.25 Fragmentation, you don't have the protocol overhead
in every packet. The first packet has the protocol bytes, and
all the rest of the packets have pure data.

For 9600, I found that I could spray 4k bytes in eight packets
of 512 bytes. Using a 1024 MTU and a 984 MSS (MTU - 40)
with a window size of 4096.

This would start off slow, and grow to the whole four MTU
at once, with the other side doing one ack. If any error occurred,
it went back and started with one MTU again.

I think the reason many people didn't try large packets, or see
the point in transmitting them, was that most of the 9600 links
were just as poor as the 1200 baud links.

701. Re: Radio And Sound Card Audio Link "RASCAL"

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-19 13:34:45 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3C973E75.10FE40C0@crosslink.net>
Source record: 6625

Jim wrote:
>
> Can a RASCAL be used for Packet or APRS?

IIRC, no; it's a very good PC sound card to radio interface intended for
HF modes like PSK31. Check out <http://www.sedan.org/>

73, KA3DWW

702. Re: PACLEN 312 AX.25 L2V2.1 KISS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-19 15:15:23 UTC
From: jra@febo.com
Message-ID: <t2i77a.ka4.ln@24.123.66.139>
Source record: 6626

In article <i8Nk8.13253$tP2.1125687@bgtnsc05-news.ops.worldnet.att.net>, "Hank Oredson" <horedson@att.net> wrote:

>> Is source code for the TAPR firmware available anywhere?
>> (I mean the source for the 1.1.x series of firmware eproms)
>
>I've not run across any place to get a legal copy of the sources.
>I have some old sources (perhaps 1.1.2?) from about 1985.
>Had those because I helped out a little bit with some flow
>control vs. UART issues. Have not seen anything newer, and
>cannot release the old sources without permission from TAPR.

Unfortunately, TAPR doesn't own (or even possess) the TNC-2 source and isn't allowed to release it. We have a license to distribute binary code versions only. My understanding is that the code base is still being used (and modified) for commercial data applications, so it's unlikely that the author would be willing to release the source.

John N8UR
President, TAPR
jra@febo.com -- n8ur@tapr.org

703. Re: PACLEN 312 AX.25 L2V2.1 KISS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-19 17:35:59 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna9etnv.526.nomail@linux.pe1chl.ampr.org>
Source record: 6627

Tony Hoffman <thoffman@cox.net> wrote:
>"Alexander Kurpiers" <a.kurpiers@nt.tu-darmstadt.de> wrote

>> Actually I don't see the point of transmitting longer frames.

>Longer frames on a solid link, transports more data in a
>shorter amount of time.

>With AX.25 Fragmentation, you don't have the protocol overhead
>in every packet. The first packet has the protocol bytes, and
>all the rest of the packets have pure data.

Only the TCP/IP protocol overhead. Or whatever protocol you use on
top of AX.25.

The AX.25 protocol overhead is included in every packet, also with
AX.25 fragmentation. That only serves to transport larger PDU's in
a limited packet length, not to cut overhead.

Combined with extended sequence numbers this indeed may be a good
option (as it keeps the unit of corruption small, and can use selective
retransmission to recover a lost frame that is a member of a larger
PDU)

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

704. AGW & APRS (4 baypac) on Win 3.1?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-19 22:36:09 UTC
From: skrausz@yorku.ca
Message-ID: <a78egpqc2@sunburst.ccs.yorku.ca>
Source record: 6628

Hi,

Just wondering if anyone's gotten a baycom type (ie tigertronics Baypac) modem to run under Windows 3.1 using AGW - specifically, I'm intersted in using APRS for Windows 3.1, but can't figure out a way to get it to run with my baypac (I haven't tried AGW, but it says it's only for windows 95/98) - will the win 32s drivers help? I've done it with windows 98...

Any help would be appreciated,
Sam
VA3 KES
--

705. Re: AGW & APRS (4 baypac) on Win 3.1?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-19 23:16:39 UTC
From: Roger Barker <roger@peaksys.co.uk>
Message-ID: <kB0qeJAXb8l8EwFm@peaksys.co.uk>
Source record: 6630

In article <a78egpqc2@sunburst.ccs.yorku.ca>, Samuel Krausz
<skrausz@yorku.ca> writes
>Hi,
>
>Just wondering if anyone's gotten a baycom type (ie tigertronics Baypac)
>modem to run under Windows 3.1 using AGW - specifically, I'm intersted in
>using APRS for Windows 3.1, but can't figure out a way to get it to run
>with my baypac (I haven't tried AGW, but it says it's only for windows
>95/98) - will the win 32s drivers help? I've done it with windows 98...

AGWPE is for 32 bit Windows, so there's no way you're going to get it to
work with Win31.

The following will work, but if you've never used BPQ before, it's very
much a case of jumping in the deep end, when you can't swim, without a
rubber ring!

1. Get a copy of BPQ 4.08a. You can find it at -
http://www.ui-view.com/winpack/bpq408a.zip

2. Get a copy of my NODE2BAY driver (that uses G7JJF's BAYDRV.VXD) -
http://www.ui-view.com/winpack/nodbay13.zip

3. Set up BPQ to use the NODE2BAY driver. This is the hard bit, and all
I can say is -

(a) Read all the docs.

(b) Find someone to help you, but that won't be me - I just don't have
the time available.

4. If/when you've got BPQ and NODE2BAY working, download the 16 bit
version of UI-View from http://www.ui-view.com and, in "Comms Setup",
configure it to use BPQ.

5. If you've got this far, then you're using an APRS compatible app, in
Win31, with your BayPac modem!

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

706. HTTP://DXSPOTS.COM

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-19 23:17:01 UTC
From: Ron <no-spam@nospamX.com>
Message-ID: <NFPI8.52$AW2.11945@news7.onvoy.net>
Source record: 6629

The DXSPOTS N5IN AR-Cluster distributes World-Wide DX Spots and WWV Solar Activity announcements via the web at http://dxspots.com/ and via telnet at telnet://dxspots.com/. Everyone is welcome!

Ron N5IN

707. Re: PACLEN 312 AX.25 L2V2.1 KISS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-19 23:43:34 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <G2Ql8.960$Jc5.67461@bgtnsc04-news.ops.worldnet.att.net>
Source record: 6631

"John Ackermann N8UR" <jra@febo.com> wrote in message
news:t2i77a.ka4.ln@24.123.66.139...
> In article <i8Nk8.13253$tP2.1125687@bgtnsc05-news.ops.worldnet.att.net>,
"Hank Oredson" <horedson@att.net> wrote:
>
> >> Is source code for the TAPR firmware available anywhere?
> >> (I mean the source for the 1.1.x series of firmware eproms)
> >
> >I've not run across any place to get a legal copy of the sources.
> >I have some old sources (perhaps 1.1.2?) from about 1985.
> >Had those because I helped out a little bit with some flow
> >control vs. UART issues. Have not seen anything newer, and
> >cannot release the old sources without permission from TAPR.
>
> Unfortunately, TAPR doesn't own (or even possess) the TNC-2 source and isn't
> allowed to release it. We have a license to distribute binary code versions
> only. My understanding is that the code base is still being used (and
> modified) for commercial data applications, so it's unlikely that the author
> would be willing to release the source.
>
> John N8UR
> President, TAPR
> jra@febo.com -- n8ur@tapr.org

Thanks John, that's useful information.

Rob and I have both started (and stopped and maybe started again)
projects to create an "application loader" eprom for the TNC2.

I think Rob is still working on that project. My eprom programmer
died, and since there are no other proms I need to program, kinda
put things on hold :-)

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

708. Re: PACLEN 312 AX.25 L2V2.1 KISS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-19 23:50:25 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <59Ql8.968$Jc5.68358@bgtnsc04-news.ops.worldnet.att.net>
Source record: 6632

"Alexander Kurpiers" <a.kurpiers@nt.tu-darmstadt.de> wrote in message
news:3C9714CF.1ABE0511@nt.tu-darmstadt.de...
> Hank Oredson wrote:
> >
> > "George Rossopoulos" <grosopoulos@openet.gr> wrote in message
> > news:1016182929.429195@athprx02.forthnet.gr...
> > > Hi
> > >
> > >
> > > > Anyone running PACLEN 312 with AX.25 L2V2.1 using KISS?
> > > > AX.25 L2V2.1 specifies that maximum datalen is 255 bytes.
> > >
> > > > If you are using a higher value then you are not in AX.25 L2V2.1, but
> > > > something yours!!!
> > >
> > > The V2.1 specification says that frames larger than 256 bytes of
> > > information field my be used by any connection where the two ends
> > > agree on the larger frame size. See the 7th computer networking
> > > conference paper and the follow up papers on the topic.
> >
> > As far as I remember there is no way to "agree on frame size" in normal
> > V2.1.

There was discuion of using XID frames, but the wording in the paper
was something like "between cooperating stations". To me this implied
the sysops would talk on the LL and decide what frame size to run :-)

> You just transmit whatever frame size you want. Only the higher layers
> include
> means for window size etc.

Yes.

> Actually I don't see the point of transmitting longer frames. As we are
> still using uncoded transmission I would increase the window size (use
> more
> pakets eg. the EAX25 thing with modulo 127 addressing instead of just
> 7),
> not the packet size. The likelihood of frame errors is more or less
> proportional
> to the packet size.

I ran a few tests (> 2MB of data) on my "bad" 9600 baud link with frame
size 256 and 556. The retry rate was about the same. This link tends to
drop out for 5-30 seconds, about every 2 to 5 minutes. i.e. there is a burst
of errors, then none for a fairly long time. Running some tests with 128 octet

frames now, see the same retry rate. So smaller frames, segment at L2,
use large window appears to be the best choice.

> 73' Alexander
>
> --
> Alexander F. Kurpiers | Voice: +49-6151-162369
> Institut fuer Nachrichtentechnik | Fax : +49-6151-165545
> Merckstrasse 25 | EMail: a.kurpiers@nt.tu-darmstadt.de
> D-64283 Darmstadt (Germany) | Hamradio: dl8aau@db0ais.#hes.deu.eu

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

709. Re: PACLEN 312 AX.25 L2V2.1 KISS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-19 23:52:19 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <TaQl8.976$Jc5.68336@bgtnsc04-news.ops.worldnet.att.net>
Source record: 6633

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
news:slrna9etnv.526.nomail@linux.pe1chl.ampr.org...
> Tony Hoffman <thoffman@cox.net> wrote:
> >"Alexander Kurpiers" <a.kurpiers@nt.tu-darmstadt.de> wrote
>
> >> Actually I don't see the point of transmitting longer frames.
>
> >Longer frames on a solid link, transports more data in a
> >shorter amount of time.
>
> >With AX.25 Fragmentation, you don't have the protocol overhead
> >in every packet. The first packet has the protocol bytes, and
> >all the rest of the packets have pure data.
>
> Only the TCP/IP protocol overhead. Or whatever protocol you use on
> top of AX.25.
>
> The AX.25 protocol overhead is included in every packet, also with
> AX.25 fragmentation. That only serves to transport larger PDU's in
> a limited packet length, not to cut overhead.
>
> Combined with extended sequence numbers this indeed may be a good
> option (as it keeps the unit of corruption small, and can use selective
> retransmission to recover a lost frame that is a member of a larger
> PDU)

I've begun coding this.
May take awhile to finish, too little free time right now :-(

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

710. Re: PACLEN 312 AX.25 L2V2.1 KISS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-20 08:21:39 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <vgag9u49e71eggfhkc6apdclvtcpc827ad@4ax.com>
Source record: 6634

On Tue, 19 Mar 2002 23:50:25 GMT, "Hank Oredson" <horedson@att.net>
wrote:

>I ran a few tests (> 2MB of data) on my "bad" 9600 baud link with frame
>size 256 and 556. The retry rate was about the same. This link tends to
>drop out for 5-30 seconds, about every 2 to 5 minutes. i.e. there is a burst
>of errors, then none for a fairly long time. Running some tests with 128 octet
>frames now, see the same retry rate. So smaller frames, segment at L2,
>use large window appears to be the best choice.

It appears to be a clean channel with only some Rayleigh fading due to
varying multipath due to varying tropospheric conditions, ie. the
frame gets corrupted when the signal level drops below the threshold
level of the detector, which often happens quite regularly for a
specific path on a specific day and a specific frequency.

Doing the same test on a different day or a different frequency band
would have a different fadeout rate. If the fadeout cycle is faster
than the frame time, no data can be transferred with such simple
protocols as AX.25. When the frame time is reduced, the throughput
will increase as long as the frame time is longer than the fadeout
time. However, when the frame time is well below the fadeout time, the
performance limit has been reached and is

nominal_rate * (fade_cycle_time-dropout_time) / fade_cycle_time

With 128, 256 and 556 byte frames at 9600 bit/s, the frame times are
about 180, 300 and 600 ms respectively, thus, the frame time is well
below the 5 to 30 s fadeout periods, when the signal is below the
threshold.

However, if the data rate was 1200 bit/s, the frame times would be
about 1.5, 2.5 and 5 s respectively and thus are comparable to the
shortest fadeout times and the long frames will suffer a performance
degration.

The above assumes Rayleigh fades due to slow tropospheric variations
and no other signal degradation mechanisms on the channel. However, if
there are other propagation mechanisms, such as airplane reflections
(airplane flutter) or reflections from moving cars on a nearby road,
the fadeout rate is much faster and consequently a shorter frame must
be used, if such simplistic protocols as AX.25 are used.

Paul OH3LWR

711. Re: PACLEN 312 AX.25 L2V2.1 KISS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-20 09:20:18 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna9gl2i.526.nomail@linux.pe1chl.ampr.org>
Source record: 6635

Hank Oredson <horedson@att.net> wrote:

>Thanks John, that's useful information.

>Rob and I have both started (and stopped and maybe started again)
>projects to create an "application loader" eprom for the TNC2.

>I think Rob is still working on that project. My eprom programmer
>died, and since there are no other proms I need to program, kinda
>put things on hold :-)

After some backtalk it seems the only viable solution with the TAPR
software is for the original author to include this functionality in
a new revision of the firmware. Of course this would be not really
trivial, as you need:

- some memory management tricks that allow reservation of a block of
memory at a predictable address (i.e. not a "malloc" type of allocation
but more like cutting a block of memory at the top or bottom of available
RAM)

- some loader that allows downloading of code (e.g. in INTEL HEX format)
over the serial line into that block of memory

- the availability of API functions via a fixed calling location
(jumptable, use of RST instruction(s), whatever)

and most important (and probably requiring the most effort):

- documentation of the above, including specification of the rules that
a downloaded application has to live by

After thinking some more about it (and my specific application) I now tend
to believe that a "lightweight" firmware like K3MC's KISS code, modified
to have an API that allows send and receive of HDLC frames and async
characters, and to include the firmware downloader, is probably the most
viable solution for now. I can just publish the source code with commented
function entry points as a form of documentation, and I don't need the
docs for my own project anyway.

The disadvantage is that the functionality above HDLC frames would have
to be in the application, but it looks like my app can do with only UI
frame exchanges so that is not too bad. AX.25 connected mode would be
a bit more of a drag, but of course subroutines to handle that could be
put in the firmware when required.
All the "user interface crap" is not going to be needed anyway...

Rob
--
+---------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+---------------------------------+--------------------------------------+

712. Will WinRadio give me an IF (pre discriminator) output?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-20 14:42:05 UTC
From: johnfofawn@hotmail.com
Message-ID: <d89364bd.0203200642.7e86a0e2@posting.google.com>
Source record: 6636
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.scanner,alt.radio.scanner

Hi,

I would like to use WinRadio or something like it for processing digital signals. I would like to get an IF output (ideally digitized) that I can then do signal processing on.

What are the output options on WinRadio? Can you get IF output? If not, can you get discriminator output? Or, are you limited to audio output?

Thanks,
John

713. Re: PACLEN 312 AX.25 L2V2.1 KISS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-20 14:44:36 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <of1m8.1958$Jc5.167955@bgtnsc04-news.ops.worldnet.att.net>
Source record: 6637

"Paul Keinanen" <keinanen@sci.fi> wrote in message
news:vgag9u49e71eggfhkc6apdclvtcpc827ad@4ax.com...
> On Tue, 19 Mar 2002 23:50:25 GMT, "Hank Oredson" <horedson@att.net>
> wrote:
>
>
> >I ran a few tests (> 2MB of data) on my "bad" 9600 baud link with frame
> >size 256 and 556. The retry rate was about the same. This link tends to
> >drop out for 5-30 seconds, about every 2 to 5 minutes. i.e. there is a burst
> >of errors, then none for a fairly long time. Running some tests with 128
octet
> >frames now, see the same retry rate. So smaller frames, segment at L2,
> >use large window appears to be the best choice.
>
> It appears to be a clean channel with only some Rayleigh fading due to
> varying multipath due to varying tropospheric conditions, ie. the
> frame gets corrupted when the signal level drops below the threshold
> level of the detector, which often happens quite regularly for a
> specific path on a specific day and a specific frequency.

Exactly, plus some aircraft scatter from time to time.
We could get more margin by increasing power level.
Obstructions (mountain ridges) at three points along the path.
The large window / small frame solution should be good here.
Will find out once I finish the code.

> Running the same test on a different day or a different frequency band
> would have a different fadeout rate. If the fadeout cycle is faster
> than the frame time, no data can be transferred with such simple
> protocols as AX.25. When the frame time is reduced, the throughput
> will increase as long as the frame time is longer than the fadeout
> time. However, when the frame time is well below the fadeout time, the
> performance limit has been reached and is
>
> nominal_rate * (fade_cycle_time-dropout_time) / fade_cycle_time
>
> With 128, 256 and 556 byte frames at 9600 bit/s, the frame times are
> about 180, 300 and 600 ms respectively, thus, the frame time is well
> below the 5 to 30 s fadeout periods, when the signal is below the
> threshold.

Exactly.

> However, if the data rate was 1200 bit/s, the frame times would be
> about 1.5, 2.5 and 5 s respectively and thus are comparable to the

> shortest fadeout times and the long frames will suffer a performance
> degration.
>
> The above assumes Rayleigh fades due to slow tropospheric variations
> and no other signal degradation mechanisms on the channel. However, if
> there are other propagation mechanisms, such as airplane reflections
> (airplane flutter) or reflections from moving cars on a nearby road,
> the fadeout rate is much faster and consequently a shorter frame must
> be used, if such simplistic protocols as AX.25 are used.

No restriction on protocol for some of my links (point to point).
Restriction is to use existing gear (KPC-9612 or Data Engine).

I have several other links that show different propagation effects.

One is about 100 km., passes over the city of Portland near mid-path,
has serious scatter from several mountains, sees the airport approach
paths ... and still works very well almost all the time :-) There are no
obstructions, i.e. I can see the other end of the path with a telescope.

Another is 40 km. (my shortest linkd usually shows a retry
rate near zero. When it rises to 5% we know we have equipment
problems.

> Paul OH3LWR

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

714. RTTY tuning question

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-20 19:37:56 UTC
From: jim.bolinger@lintek.aeroflex.com
Message-ID: <8d5ec8a2.0203201137.64295157@posting.google.com>
Source record: 6638

I've dabbled with RTTY and other digital modes off and on for the past 30 or so years.

Recently I downloaded a freeware program (Hamscope) for use with a soundcard.

I'm glad to see that one of the problems have been solved, and that is tuning. With the waterfall and/or spectrum display (not to mention AFC!) it sure is a heck of a lot easier to tune in a RTTY signal than it was 30 years ago. (Of course my Kenwood is a lot nicer than that Collins boatanchor our club had back then.)

One question remains... Ok, lets say I have the signal tuned so that the mark and space frequencies are identified, but how do I know what format the station is using? and what is the baud rate? What are the most common formats that I should try first? Is it 5, 6, 7, or 8 bits?

I am talking about both amateur and commercial. Eventually I would like to operating RTTY and PSK31, but I also want to look in on what the commercial guys are up to.

715. Re: RTTY tuning question

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-20 21:06:02 UTC
From: John Passaneau <jxp16@psu.edu>
Message-ID: <a7da6g$r26@r02n01.cac.psu.edu>
Source record: 6643

Hi:
Hamscope is a nice program, but the problem with commercial RTTY is that
they are encrypted or are using oddball coding. The bottom line is there is
very little commercial RTTY that is printable.

--
John Passaneau
Penn State University, State College Pa.
W3JXP
w3jxp@arrl.net

"JLB" <jim.bolinger@lintek.aeroflex.com> wrote in message
news:8d5ec8a2.0203201137.64295157@posting.google.com...
> I've dabbled with RTTY and other digital modes off and on for the past
> 30 or so years.
>
> Recently I downloaded a freeware program (Hamscope) for use with a
> soundcard.
>
> I'm glad to see that one of the problems have been solved, and that is
> tuning. With the waterfall and/or spectrum display (not to mention
> AFC!) it sure is a heck of a lot easier to tune in a RTTY signal than
> it was 30 years ago. (Of course my Kenwood is a lot nicer than that
> Collins boatanchor our club had back then.)
>
> One question remains... Ok, lets say I have the signal tuned so that
> the mark and space frequencies are identified, but how do I know what
> format the station is using? and what is the baud rate? What are the
> most common formats that I should try first? Is it 5, 6, 7, or 8
> bits?
>
> I am talking about both amateur and commercial. Eventually I would
> like to operating RTTY and PSK31, but I also want to look in on what
> the commercial guys are up to.

716. Re: RTTY tuning question

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-20 21:48:23 UTC
From: Brian Short <k7on@earthlink.net>
Message-ID: <MPG.170313ec596c5bcc9896f5@news.earthlink.net>
Source record: 6639

My old PK-232 had a SIAM (Signal Analysis Mode) that would
attempt to analyze signals and determine such things.

I'd also be interested in a sound card program to do that
type of analysis (and more).

In article <8d5ec8a2.0203201137.64295157@posting.google.com>,
jim.bolinger@lintek.aeroflex.com says...
> One question remains... Ok, lets say I have the signal tuned so that
> the mark and space frequencies are identified, but how do I know what
> format the station is using? and what is the baud rate? What are the
> most common formats that I should try first? Is it 5, 6, 7, or 8
> bits?
>
> I am talking about both amateur and commercial. Eventually I would
> like to operating RTTY and PSK31, but I also want to look in on what
> the commercial guys are up to.

--
People who think they know it all are annoying
to those of us who do.
--
See my web page: http://www.k7on.com/
--

717. Re: RTTY tuning question

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-21 00:01:44 UTC
From: "Bob Lewis (AA4PB)" <rlewis@staffnet.com>
Message-ID: <u9i8o1mvhlqr77@corp.supernews.com>
Source record: 6640

Most all amateur operation is 5-bit baudot code using 170 Hz shift at 45.5 baud (60 WPM). You may find a very few hams using 7-bit ascii code and a few running baudot at 100 wpm (75 baud).

You will find very few if any commercial stations that you can copy because they use encryption (except perhaps a few Wx stations). I think they are still running 850 Hz shift, 5-bit baudot code at 60 WPM.

718. Re: RTTY tuning question

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-21 13:04:08 UTC
From: jim.bolinger@lintek.aeroflex.com
Message-ID: <8d5ec8a2.0203210504.4df1aeed@posting.google.com>
Source record: 6641

Brian Short <k7on@earthlink.net> wrote in message
news:<MPG.170313ec596c5bcc9896f5@news.earthlink.net>...
> My old PK-232 had a SIAM (Signal Analysis Mode) that would
> attempt to analyze signals and determine such things.
>
> I'd also be interested in a sound card program to do that
> type of analysis (and more).
>

I was thinking of that idea myself, a long time ago, using a good ol'
TU for the demodulation. I don't think it would be that difficult.
You could use an FFT to get the baud rate, but that could also be done
with by just measuring the duration of the mark and space. Whatever
comes out smallest will be pretty close to 1/baud. Then the number of
bits would have to be done by trial and error to minimize the framing
errors. All this would be relatively easy in C++, I think, but is
there something out there that does it already?

[snipped]
> People who think they know it all are annoying
> to those of us who do.

So, you have that problem, too? ;-)

Jim
N8EE

719. Re: RTTY tuning question

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-21 13:39:59 UTC
From: Ralph Mowery <rmowery@dialpoint.net>
Message-ID: <3C99E2AF.EC887D1@dialpoint.net>
Source record: 6642

Most of the hams are using 170 hz or maybe a few at 200 hz shift. Use 5 bit Baudot code and 1.5 stop bits. Set for 60 wpm or about 45.5 baud. Usually if you set your receiver to lsb and have the mark tone at the lower frequency and the space tone at the higher frequency. The comercial stuff seemes to use the oposit so you just tune it in the same way but use usb.

Search for the hamcom program. I think this is the one that uses a simple IC circuit instead of a complicated demodulator or sound card. It has a setting where you can see the actual bits and can freeze them on the computer screen.

You may also want to try the MMTTY sound card program.
The stuff must have improved in the 10 years from your time to mine. I used a homebuilt st-6 and did not have any problems tuning in with the meter or a scope hooked to it .

JLB wrote:
>
> I've dabbled with RTTY and other digital modes off and on for the past
> 30 or so years.
>
> Recently I downloaded a freeware program (Hamscope) for use with a
> soundcard.
>
> I'm glad to see that one of the problems have been solved, and that is
> tuning. With the waterfall and/or spectrum display (not to mention
> AFC!) it sure is a heck of a lot easier to tune in a RTTY signal than
> it was 30 years ago. (Of course my Kenwood is a lot nicer than that
> Collins boatanchor our club had back then.)
>
> One question remains... Ok, lets say I have the signal tuned so that
> the mark and space frequencies are identified, but how do I know what
> format the station is using? and what is the baud rate? What are the
> most common formats that I should try first? Is it 5, 6, 7, or 8
> bits?
>
> I am talking about both amateur and commercial. Eventually I would
> like to operating RTTY and PSK31, but I also want to look in on what
> the commercial guys are up to.

720. Cheapest Pactor?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-21 22:55:52 UTC
From: Capt Paul <nospam@earthlink.net>
Message-ID: <Yxtm8.2149$oi.97489@newsread2.prod.itd.earthlink.net>
Source record: 6644

I'm on a very small budget and want to try out Airmail. There's an Airmail host station within 40 miles of me, so I'm hoping that Pactor I will be good enough to get me going. Any really -cheap- solutions? I've got a relatively new notebook computer and an Icom 706 mk II. Tnx in advance,

Paul
KF6TIL

721. Re: Cheapest Pactor?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-22 00:26:37 UTC
From: "Bob Lewis (AA4PB)" <rlewis@staffnet.com>
Message-ID: <u9kui3c0r0bv54@corp.supernews.com>
Source record: 6645

The cheapest way is probably to find a good used TNC that includes Pactor. You won't find any Windows programs that will make a Pactor ARQ link using the sound card.

722. Re: Cheapest Pactor?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-22 01:59:13 UTC
From: Brian Short <k7on@earthlink.net>
Message-ID: <MPG.1704a03c831434b49896f7@news.earthlink.net>
Source record: 6646

In article <Yxtm8.2149$oi.97489@newsread2.prod.itd.earthlink.net>,
nospam@earthlink.net says...
> I'm on a very small budget and want to try out Airmail. There's an Airmail
> host station within 40 miles of me, so I'm hoping that Pactor I will be good
> enough to get me going. Any really -cheap- solutions? I've got a
> relatively new notebook computer and an Icom 706 mk II. Tnx in advance,

You can find used PK-232MBXs fairly cheaply. Just make sure that the one
you buy has the Pactor firmware upgrade.

Or, perhaps an older Kantronics KAM.

--
People who think they know it all are annoying
to those of us who do.
--
See my web page: http://www.k7on.com/
--

723. Re: Will WinRadio give me an IF (pre discriminator) output?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-22 14:15:35 UTC
From: jra@febo.com
Message-ID: <4lcf7a.4ds.ln@24.123.66.139>
Source record: 6647
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.scanner,alt.radio.scanner

In article <d89364bd.0203200642.7e86a0e2@posting.google.com>, johnfofawn@hotmail.com (John) wrote:
>Hi,
>
>I would like to use WinRadio or something like it for processing
>digital signals. I would like to get an IF output (ideally digitized)
>that I can then do signal processing on.
>
>What are the output options on WinRadio? Can you get IF output? If
>not, can you get discriminator output? Or, are you limited to audio
>output?

My WinRadio (the 1000e I think -- can't remember exactly, but it was the current one at Hamvention last year) has a discriminator output that works in the narrow FM mode. There's no direct IF tap.

John N8UR
jra@febo.com

724. WTB: Pac-Comm TNC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-22 19:12:00 UTC
From: Doug Gavilanes <gavilan1@earthlink.net>
Message-ID: <3C9B824E.19838F24@earthlink.net>
Source record: 6648
Cross-posted to: rec.radio.swap,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

I am looking for a used, but working Pac-Comm TNC for APRS use (1994 or newer firmware release 5.0). What do you have (and how much do you want)? Please reply via e-mail so that it doesn't get ugly here (3rd party traffic, you know?). Thanks in advance.

73 de Doug Gavilanes, N6XQY
mailto:gavilan1@earthlink.net

725. Re: Modem for Tekk KS-1000 radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-23 12:24:47 UTC
From: Mike Murphree <w4lna@nospam.nohow.knology.net>
Message-ID: <3C9C740F.A40AFE72@nospam.nohow.knology.net>
Source record: 6649

Laurence Hammer wrote:
>
> Hi Cathryn,
>
> There's about a 90% chance this one will get launched. I'm working with
> the Cornell University CubeSat project; we already have a launch slot and
> funding etc. All that's left is to build the sat! Web page for the project is
> at http://www.msae.cornell.edu/cubesat if you want to look at it. Of
> course the site is behind development quite a bit, but you'll get the idea.
>
> There will be several CPUs on board. One on the Cougar GPS receiver,
> one on the TattleTale board which is for command & data handling, and one on
> the comm system handling modem & TNC duties. The comm system should be pretty
> nice, all on one board about 9x5 cm. Presuming it gets finished wihtout major
> obstacles preventing it of course!
>
> I'm doing backup research right now for comm in case the primary design
> fails. Sad thought, but in the world of students anything's possible.
>
> 73, Mike N2VR

That web site doesn't seem to be accessible to the outside world.
I would expect that you would have to re-package the Tekk in order
to survive your launch vibration environment. Have noticed that most
of the university satellite projects seem to ignore the radiation
environment in space. Are you taking any special precautions in
that regard?

73 Mike W4LNA

726. Re: Modem for Tekk KS-1000 radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-23 13:20:23 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrna9p08n.rqs.nomail@linux.pe1chl.ampr.org>
Source record: 6650

Mike Murphree <w4lna@nospam.nohow.knology.net> wrote:
>I would expect that you would have to re-package the Tekk in order
>to survive your launch vibration environment.

Foam it?

>Have noticed that most
>of the university satellite projects seem to ignore the radiation
>environment in space. Are you taking any special precautions in
>that regard?

Normally they specify 1-3 month life expectancies and low orbits.
The radiation isn't that important in that case.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

727. Ten Tec Triton 540 tranceiver +++

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-23 17:49:14 UTC
From: ljl160@aol.com
Message-ID: <20020323124914.25217.00002563@mb-ca.aol.com>
Source record: 6551

FS: Excellent Triton 540 80-10 meters ssb and cw. Comes with the cw filter, noise blanker, matching vox supply, D104 mic and G stand, 242 external vfo (scarce) and manuals. Rig totally rebuilt and aligned at Ten Tec which cost $229.00. Package only please. $400.00 + shipping-Thanks for the read.

728. Heathkit HW101

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-23 17:51:11 UTC
From: ljl160@aol.com
Message-ID: <20020323125111.25217.00002564@mb-ca.aol.com>
Source record: 6552

FS: Heathkit HW101 nice shape and gone through recently by certified tech, swan power supply, manual. $150.00 plus shipping. It is stable and sounds great. Thanks

729. Re: Cheapest Pactor?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-23 19:34:28 UTC
From: Patricia Gibbons <wa6ube@tactical-link.com>
Message-ID: <a7ilhi$68q$1@slb5.atl.mindspring.net>
Source record: 6553

Would suggest you look for a used Kantronics KAM unit with
the latest firmware ..

--
--
Patricia E. Gibbons & Carla Satra
Tactical Link Systems
In California: "She sells D-Cells by the seashore"
<ICQ#: 72818195>
<http://www.tactical-link.com>
see my comvan at:
<http://www.qrz.com/callsign.html?callsign=wa6ube>
.....
My Public Key is available at:
http://pgpkeys.mit.edu:11371/pks/lookup?op=get&search=0xedecb44f
Key ID: 0xEDECB44F
This key is RSA, NOT Diffie-Hellman !!
"Capt Paul" <nospam@earthlink.net> wrote in message
news:Yxtm8.2149$oi.97489@newsread2.prod.itd.earthlink.net...
> I'm on a very small budget and want to try out Airmail. There's an
Airmail
> host station within 40 miles of me, so I'm hoping that Pactor I will be
good
> enough to get me going. Any really -cheap- solutions? I've got a
> relatively new notebook computer and an Icom 706 mk II. Tnx in advance,
>
> Paul
> KF6TIL
>
>

730. ARNewsline 1284 - March 22 2002

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-24 01:14:53 UTC
From: radionews@aol.com
Message-ID: <20020323201453.07580.00000707@mb-fi.aol.com>
Source record: 6554

Amateur Radio Newsline™ Report 1284 - March 22 2002

Amateur Radio Newsline report number 1284 with a release date of
Friday, March 22nd, 2002 to follow in 5-4-3-2-1.

The following is a Q-S-T. Ham radio and the FCC join forced to find a wayward transmitter jamming a fire department radio. This story is first on Amateur Radio Newsline report number 1284 coming your way right now.

(Billboard Cart Here)

**

RESCUE RADIO: HAMS ASSIST IN TRACKING DOWN WAYWARD TRANSMITTER

Ham radio operators teamed up with the FCC to track down a wayward transmitter. One that was making communications very difficult for the Fallbrook California fire department. It took place the weekend of March 10th. Amateur Radio Newsline’s Norm Seeley, KI7UP, has the rest of the story:

--

Milt Davies, KD6UBA, is Division Chief of the North County Fire Protection District. He was the first to identify the problem as radio frequency interference.

Davis described the annoying signal as being an unmodulated carrier pock-marked with strange data-like bursts. Sometimes the jamming transmitter was on-the-air all the time. Sometimes it was on and off. And at still other times the signal almost disappeared - transmitting only a few seconds in a 10 or 20 minute span.

Davies recognized the problem as on-channel jamming. He also knew that he needed outside help. That's when the FCC and the local ham radio community were notified.

First to try was the FCC. As you know, the agency has a series of permanent direction finding stations on the West Coast. These can be operated by remote control from Washington, D.C..

The FCC's weekend duty officer attempted to pinpoint the source of the interference using them, but with only partial success. Some of the locations were down for servicing. The result was a single line-of-bearing. This meant that the interfering transmitter could be anywhere along a 45 mile path.

To help home-in on the transmitter's location, members of the Palomar Amateur Radio Club were called out. They were asked to listen to the fire dispatch frequency and give signal strength reports on the unmodulated carrier. These

reports, coupled with the FCC's own line-of-bearing, pointed to the City of Vista, or vicinity.

Now the hunt again became the domain of the FCC. Bill Zears, the District Director in charge of the FCC's San Diego Field Office, arrived with a sophisticated direction finding vehicle. Zears drove to Fallbrook for his first good bearing. That sent him off toward the rugged eastern portion of Vista.

At about the same time, a fire broke out in the Camp Pendleton military complex which borders Fallbrook. The jamming signal was preventing firefighters working the Pendleton fire from communicating directly with their Dispatch Center.

Zears stayed on the job as Sunday afternoon turned into evening. Finally, enough direction finding bearings were available to pinpoint the wayward transmitter to a 30' tower atop a hill in east Vista.

The Vista Fire Department was called. The Battalion Chief on duty offered immediate help. It turns out that a local ham had brought him up-to-speed on the interference case earlier in the day.

Then another ham recalled that the City of Vista once had a transmitter up on the suspect peak. That old VHF transmitter dated back to the days before most communications had moved to the 800 MHz band. He also knew that the old box just happened to be tuned to Fallbrook's current VHF dispatch frequency - because that was Vista Fire's old frequency!

The crew lost no time in getting up the hill and confirming the location of the offending transmitter. Nobody knows why power was still connected. Probably an oversight by some long forgotten radio installer. None the less, it caused the Vista's Fire Department to unintentionally jam Fallbrook, but pulling the power plug made the interference go away.

For the Amateur Radio Newsline, I’m Norm Seeley, KI7UP.

--

Thanks to the cooperation of everyone involved and the tenacity of FCC District Director Bill Zears, the situation had a happy ending. (W6VR)

**

OLYMPICS FOLLOW-UP: HANDI-HAM CARRIES OLYMPIC FLAME

The 2002 Winter Olympics may be over, but now comes word that a visually impaired ham radio operator was among those who had the honor of carrying the Olympic Torch.

Kitty Hevener, WB8TDA, and her trusty guide dog SunStar, carried the Olympic Flame on Saturday January 19th. This, as it made its way to Salt Lake City Uath. Kitty’s segment took the flame up to the gates of Fort Point, in the shadow of San Francisco California’s Golden Gate Bridge.

According to the Handi Hams, Kitty Hevener, WB8TDA, is active with that group as well. Handi Hams says that she is a regular volunteer at the annual California Radio Camp held at Camp Joan Mier in Malibu California every March.

You can see photos of WB8TDA carrying the Olympic Torch at www.graystuff.com/gallery/kitty. (HandiHams)

**

ECONOMICS: JAPANS ECONOMIC RECESSION MAY AFFECT RADIO PRICES

The price of ham radio gear and other goods manufactured in Japan may soon change, but its unclear if it will be up or down. This on word that Japan's economy has fallen into the worst recession in at least two decades. The last time the Japanese economy contracted for three quarters straight was in 1993, when it shrank at around 0.1 percent each quarter. Before that, Japan had never seen even two back-to-back quarters of contraction - the usual definition of a recession - since the government began keeping such records in 1980. (ARNewsline(tm) from published news reports and ARNewsline(tm)interviews.)

**

EMERGING TECHNOLOGY: WSJT TAKING ON THE WORLD

Meantime, a new mode of operation seems to be taking Amateur Radio by storm. We have reported on it before: WSJT. And it lets everyone get in on what used to be the esoteric operation called meteor scatter. Q-News Graham Kemp, VK4BB, looks at the way WSJT is taking on the world:

--

WSJT is a digital mode, designed specifically for meteor scatter communications. It stands for Weak Signal communications by Joe Taylor K1JT. Its advantage for is that it sends extremely fast in a standard SSB bandwidth at 147 characters per second or about 1700 words per minute. By virtue of this speed it is possible to send two call signs and a signal report in a tenth of a second meteor ping.

The equipment to make WSJT contacts is fairly modest. A two meter SSB transceiver and a computer -- a Pentium, at least 75 MHz is the main hardware required. Then you need a simple PSK-31 interface box, as described in March 2000 AR magazine and some WSJT software.

An RF power output of 50 is the practical minimum, with 100 watts providing a worthwhile improvement. A major advantage with WSJT is the small antenna system required. A five element Yagi will do as well as a 10 element Yagi.

From Q-News Australia, I'm Graham Kemp, VK4BB for the Amateur Radio Newsline.

--

More information and the necessary software is at the official WSJT website. Its in cyberspace at pulsar.princeton.edu/~joe/K1JT. (Q-News)

**

Break 1

From the United States of America, We are the Amateur Radio Newsline, heard on bulletin stations around the world including the CARES repeater on 146.73 MHz and serving Gulfport Mississippi.

(5 sec pause here)

**

ENFORCEMENT: THAT CHARGE SHOULD NEVER HAVE BEEN FILED

The FCC has told a Midway, Tennessee ham that his complaint about a club repeater has no basis in fact:

--

Hollingsworth: “We dismissed a complaint filed by Jeffrey Bible, K4MFD, of Midway Tenneseee. His complaint was against the Andrew Johnson Radio Club repeater W4WC which is located on an adjacent tower.”

“We found that despite allegations, the W4WC repeater had not lost coordination just because of a move. The move was within the coordinators limits. In fact, the repeaters have been operating for years with no problems.”

--

That was the FCC’s Riley Hollingsworth, K4ZDH who also says that both parties are coordinated, so both will have to work together to solve any interference that might arise. (FCC, RAIN)

**

ENFORCEMENT: FCC REFUSES TO INTERVENE IN ATV REPEATER DISPUTE

The FCC has also declined to intervene in a dispute involving two Mid-West Amateur Television repeaters. One owned by a major radio club and the other by an individual. The main reason. There is no coordination for ATV in the area. The FCC’s Riley Hollingsworth explains:

--

Hollingsworth: We notified Adrian Oaks, KB8GRJ, of Xenia Ohio that we would not get involved in a dispute that he has with the Dayton amateur Radio Association over the operation of an ATV repeater. Dayton’s repeater, W8BI, has started occasionally operating on frequencies registered to Oaks. I emphasize registered nor coordinated. There is no coordination program there for ATV repeaters. But there’s no showing of actual interference.”

“DARA uses it for 20 to 45 minutes a week. It makes the repeater codes available to all so that anyone receiving interference can shut off the repeater. It is (also) willing to adjust operating times to accommodate other ATV users.”
--

Hollingswoth says that there is no real conflict and therefore the situation does not warrant any FCC enforcement action. (FCC, RAIN)

**

ENFORCEMENT: PRE OPERATION LEADS TO LICENSE SETASIDE

The FCC has told a newly licensed ham that his license grant has been set aside. In a letter to John A Green, KG4RFI, of Mobile Alabama, the commission says that it has information which indicates that he operated on the W4IAX repeater and was also heard at various times on repeaters on 146.685 and 147.090 MHz in the Baldwin County area. The FCC says that all of these transmissions were made during a time that Green did not hold am Amateur service license.

Green was given twenty days from the date of the FCC letter to him to write back and explain certain issues. This includes any instances between the cancellation of his General Class license on September 14, 2001 and the grant of his Technician Class license on January 24, 2002 in which he operated any Amateur Radio transmitting equipment. (FCC)

**

BAMES IN THE NEWS: KD7DDG LOOSES AZ MAYORAL RACE

A follow-up to the story of Tim Weaver, KD7DDG, who was running for the office of Mayor of Glendale Arizona. Well, the votes have been counted and Weaver was not successful in his bid to oust the eight year incumbent Mayor who had the backing of the firefighters union.

The count showed that Weaver had polled only about 24% of the votes needed. Weaver says that the results were disappointing, but respectable for someone outspent and out-volunteered. (RAIN)

**

NAMES IN THE NEWS: RAIN CONTINUES CLEGG RETROSPECTIVE

Hap Holly, KC9RP tells ius that this weeks RAIN Report is part two of a retrospective look at famed ham radio pioneer Edward T. Clegg, W8LOY. This as seen through the eyes of his son-in-law Rob Mc Guffie, K2HZN. Its on line right now in digital streaming audio at www.rainreport.com or analog telephone audio at 827-847-7246. (RAIN)

**

NAMES IN THE NEWS: N9RLA FIRST CENTRAL DIVISION ROVER CERTIFICATE

Some names in the news. First is Dan Evans, N9RLA, who has taken first place as a rover station in the ARRL Central Division. This in the June 2001 VHF contest. Dan is from Scottsburg Indiana. (VHF Reflector)

**

NAMES IN THE NEWS: K8JAC NAMED KANAWHA HAM OF THE YEAR

Also, congratulations to Amateur Radio Newsline's own Jeff Clark, K8JAC. This, after being named Kanawha Valley Amateur Radio Operator of the Year 2002.

A ham since 1981, Clark's Amateur Radio volunteer activities include the post of Emergency Coordinator of Kanawha County, West Virginia. He is also Publicity Director of the Kanawha Amateur Radio Club, editor of the clubs newsletter and technical coordinator of the W8GK repeater. But thats not all. The local ARES group, which Clark coordinates receives high marks from county officials and is often called on to provide communications during civic events and emergencies.

Clark received his award on Saturday, March 16th at Charleston Hamfest. Another Amateur Radio Newsline anchor, Jim Damron, N8TMW, had the honor of making the presentation to K8JAC. (ARNewsline(tm))

**

NAMES IN THE NEWS: WA6ITF TO SPEAK IN JOPLIN MO

Amateur Radio Newsline producer Bill Pasternak, WA6ITF, will be the featured banquet speaker on Saturday April 13th at the Joplin Hamfest. The venue is the John Q. Hammon Trade Center in Joplin Missouri.

Situated about halfway between Tulsa Oklahoma and Kansas City, the Joplin Hamfest is a 200+ table event. It also features spacious parking with easy access, wide aisles, forums, ham radio testing and prizes.

Interested? More information is on the web at www.joplin-arc.org. (ARNewsline(tm))

**

BREAK 2

Here when you need us 52 weeks a year. We are the Amateur Radio Newsline, with links to the world from our only official website at www.arnewsline.org.

(5 sec pause here)

**

ANNIVERSARY: HAPPY 20TH ANNIVERSARY HEIL SOUND

This week marks the 20th anniversary of a very special company. We are talking about Heil Sound Limited. And when you talk about Heil Sound, you are really talking about its founder Bob Heil, K9EID.

Over the years, Bob Heil has been an audio consultant, an inventor, a musician and lots more. Looking back, He says that everything harkens back to his first love. His hobby. Amateur Radio:

--

Heil: "It's been an incredible ride from a little kid playing pipe organ in the Fox (theater)n through playing with my Harvey-Wells and SX-99 which I still have, and understanding what it took to make all of these things.

“Then I started building different transmitters and then started building sound equipment.”

“We actually changed the world. We are the guys that figured out how you stack and hang speakers. Why? Because I could set up a Rohn 25G (tower) and hang speakers higher than anybody else because of my ham radio.”

--

After years of touring with such number one acts as the Eagles, Bob decided to give something back to the hobby that had lead to his success. Thats how Heil Sound Limited was born.

--
Heil: My life has evolved around 45 years of being K9EID, and I will always be so grateful to everybody in this hobby for allowing me to do my thing and along the way to help someone. Thats the bottom line that we are able to help somebody and it makes me real happy to be able to do that.”
--

Bob is now celebrating the beginning of the company’s third decade with a number of new and innovative products for every aspect of ham radio voice operations. You will get to see all of them in a few weeks and meet Bob in person at Hamvention 2002. (ARNewsline(tm))

**

HANDI HAMS: E-NEWSLETTER MAILING CHANGE

The Handi Hams says that it is changing the way in which the groups weekly e-letter is being distributed in HTML format. According to Handi Hams Pat Tice, WAZ0TDA, constant barrages of virus threats to Microsoft Outlook makes it risky to continue maintaining the HTML list in Microsoft Outlook. So the group is moving its list to a mailer called Group Mail. This says Tice will be bring with it minimal risk of sending a virus to the group of HTML subscribers. The text subscribers continue to receive the e-letter through Yahoo Groups. (HandiHams)

**

EVENTS: 2002 WEAK SIGNAL BANQUET

Tom Whitted, WA8WZG, reports over the VHF Reflector that tickets are now on sale for the 10th annual Weak Signal Banquet. This year the gathering will again be held in Dayton Ohio on Hamvention weekend. If you are interested in attending, more information is in cyberspace at www.wa8wzg.com. (VHF Reflector)

**

INTERNATIONAL - CANADA: RAC SM ELECTION RESULTS

From our neighbors to the North comes word that Tom Caithness, VE1GT is the interim Section Manager for Canada’s Maritime Provences. He was elected for a two-year term, which began March 1st.

Also, Derek Hay, VE4HAY was recently re-elected Section Manager in the Manitoba for a two-year term snd Joe Craig, VO1NA has been re-elected Section Manager for the Newfoundland and Labrador Section for a two-year term. Both take office on July 1st.

All three ran unopposed in their respective Radio Amateurs of Canada sections. This eliminated the need for a balloted election. (RAC)

**

DX

In D-X, the big story is of coarse Ducie Island. The VP6DI team came on the air on March 17th and its was bedlam. Take a listen.

--
audio here
--

Ducie Island is a small, uninhabited atoll in the South Pacific and is part of the Pitcarin Island chain. It is also among the rarest DXCC entities in the world as proven by the recording you just heard. It was made in Australia by VK4DX using a Kenwood TS-570D transceiver and posted to his contest website. (Audio courtesy VK4DX)

**

THAT FINAL ITEM: ARDF CHAMPIONSHIPS IN ATLANTA

And finally this week, the calendar says that its spring and hams around the country are turning to outdoor activities such as new antennas and hidden transmitter hunting. Here's your chance to prove you're the best at the latter activity, as Newsline's Joe Moell K0OV explains:

--

The biggest annual event in on-foot hidden transmitter hunting is early this year, so time is getting short if you want to take part.

The Second USA ARDF Championships will be April 19-21 at Franklin Roosevelt State Park near Pine Mountain, Georgia. That's about 70 miles southwest of the Atlanta airport. No matter what your level of skill or experience at radio-orienteering, you'll be welcome. Experts will be vying for positions on Team USA as it travels to Slovakia for the World Championships later this year. Beginners will be picking up the best RDF techniques from these experts, and learning how to put on similar events in their home towns.

The official deadline to register for the national championships is April 6, but Georgia Orienteering Club urges you to let them know you're coming by March 29, so they can plan food for the picnic supper on Friday and the spaghetti dinner on Saturday.

Learn more about what it's like to be in the ARDF Championships by reading about last year's event in the March issue of QST, and in December and January's issues of 73 Magazine. There's lots more on the subject at my Web site -- www.homingin.com -- plus a link to the registration site for the Pine

Mountain events. That's homingin -- one word -- homingin.com

From sunny southern California, where we're soon having our third practice session of the year to get ready for the championships, this is Joe Moell K-zero-Oscar-Victor for Amateur Radio Newsline.

--

Again, that website is www.homingin.com (K0OV)

**

NEWSCAST CLOSE

With thanks to Alan Labs, Amateur News Weekly, AMSAT, the ARRL, the CGC Communicator, CQ Magazine, the FCC, the Ohio Penn DX Bulletin, Radio Netherlands, Rain, the RSGB and Australia's Q-News, that's all from the Amateur Radio Newsline(tm). Our e-mail address is newsline @arnewsline.org. More information is available at Amateur Radio Newsline's(tm) only official website located at www.arnewsline.org. You can also write to us or support us at Amateur Radio Newsline(tm), P.O. Box 660937, Arcadia, California 91066.

Before we go, a reminder that the nominating period for the 2002 amateur Radio Newsline Young Ham of the Year is now open. No significant changes from last year. Nominees must be 18 or younger. Full rules and an application is on our website at www.arnewsline.org.

For now, with Bill Pasternak, WA6ITF, at the editors desk, I'm Roy Neal, K6DUE, saying 73, and we thank you for listening." Amateur Radio Newsline(tm) is Copyright 2002. All rights reserved.

731. Re: Cheapest Pactor?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-24 02:37:41 UTC
From: Rob <Pse@NoEmail.Com>
Message-ID: <o4bn8.4702$a04.24258@tor-nn1.netcom.ca>
Source record: 6555

There is a VERY inexpensive way to run PACTOR!

For $10 or so you can run PACTOR!

Just pick up an old RTTY TU such as the AEA CP-1.
You can usually pick one up off EBAY for $10 to $20 US. (I got mine for $10 US)

Then download the TERMAN93 program from the web site of Tom Sailor HB9JNX. TERMAN93 will run on ANY PC running DOS or Windows. It implements RTTY, AMTOR and PACTOR (ARQ RX and TX). Best of all it is FREEWARE! It works great!

Rob

P.S. There are other programs like BMK-MULTY that will work with the old RTTY TUs. But they cost $$. BMK-MULTY is also VERY good!

"Capt Paul" <nospam@earthlink.net> wrote in message news:Yxtm8.2149$oi.97489@newsread2.prod.itd.earthlink.net...
> I'm on a very small budget and want to try out Airmail. There's an Airmail
> host station within 40 miles of me, so I'm hoping that Pactor I will be good
> enough to get me going. Any really -cheap- solutions? I've got a
> relatively new notebook computer and an Icom 706 mk II. Tnx in advance,
>
> Paul
> KF6TIL
>
>

732. Re: Narrow Band TV

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-24 14:46:24 UTC
From: JRW <freeboy@ic24.net>
Message-ID: <ZOpn8.9245$OP.322369@stones>
Source record: 6556

Hi Roger,

Worth a try on SSB, listening to the ZL2AFP FM signal sounds narrow enough for SSB (a bit like SSTV). Not heard any activity on HF at all, except a short burst of the AM mode on the NBTV net (0800 UK time 3.7MHz LSB). The burst was too short for me to set up the software and I couldn't ask him to try again because I haven't got 80m aerials! There is a Dutchman wanting to start on 29MHz later this year... we shall have to wait and see what happens there.

John
"Roger Basford" <Basford@btinternet.com> wrote in message
news:6nns$RByHTC8EwMo@btinternet.com...
> In message <3C08DA70.B344A8A6@t-online.de>, Klaus Kramer
> <DL4KCK@t-online.de> writes
> >Roger Basford schrieb:
> >>
> >> Hi,
> >>
> >> There is a current thread on this group about mechanical TV, or Narrow
> >> Band TV. I was wondering if there are any electronic implementations of
> >> this system as the Web sites I've looked at regarding NBTV seem to
> >> concentrate on mechanical methods of scanning the picture and
displaying
> >> it at the receive end. I'm thinking of Web cam type transmissions over
> >> normal SSB voice bandwidth using soundcard software like the IZ8BLY
> >> program from ON1AIJ's web site on http://users.pandora.be/ON1AIJ/
> >>
> >> Any info appreciated.
> >> --
> >> Roger Basford
> >> (G3VKM)
> >
> >Hello,
> >
> >look for the latest ZL2AFP software with "fm...", and you are on your
> >way...
> >
> >73 Klaus, DL4KCK
> Hi Klaus,
>
> Many thanks for that, I found the software OK and it seem to work fine!
> Do you know if it is suitable for SSB use, or is it better used on FM
> rigs?
>

> Regards,
> --
> Roger Basford
> (G3VKM)

733. Re: Packet Problems

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-25 05:06:27 UTC
From: Christopher KD6NSD Hoffmann <kd6nsd@arrl.net>
Message-ID: <3c9eb076_1@news.greatbasin.net>
Source record: 6557
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

Have you tried downloading the Paket61 program? What make /model is your new tnc? I started out with the tiny Tigertronics/Baycom steup and loved it. But since then have upgraded to a KPC3+ and love it even more. We can only hope to get more "Hams" active on packet.. Feel free to send me any questions, ...

Chris KA7CJH (Reno,Nv)

734. what ic this ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-25 15:29:35 UTC
From: Edward Lewis <kq6dx@pacbell.net>
Message-ID: <oegu9usl7u97l3b9ch5ul9i5vbskj1p3ji@4ax.com>
Source record: 6558

I tuned to 144.110 mhz usb last night and heard a signal that had a
musical sound to it . What is this?
Edward Lewis KQ6DX
kq6dx@pacbell.net

735. PSK31 Sked?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-26 05:00:42 UTC
From: Gerard M Foley <gfoley@columbus.rr.com>
Message-ID: <_fTn8.224474$s43.52615566@typhoon.columbus.rr.com>
Source record: 6559

I think I have PSK31 working, but no QSO's yet. Anyone think they can work Ohio and want to make a sked? E-mail response would be great.

gfoley@columbus.rr.com

73

--
Gerry K8EF

http://home.columbus.rr.com/gfoley/
http://www.geocities.com/gerryf.geo/eclipseindex.html
http://www.fortunecity.com/victorian/pollock/263/egypt/egypt.html

736. Re: what ic this ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-26 10:34:16 UTC
From: Markus L <uo9oew@lnubb.pbz>
Message-ID: <3ca04e8c$0$230$4d4ebb8e@read-nat.news.nl.uu.net>
Source record: 6560

Listen to sound samples at http://www.kb9ukd.com/digital/ .
MFSK http://www.kb9ukd.com/digital/mfsk.wav is the most "musical" digimode I know.

73, Markus HB9BRJ
--
e-mail address is ROT13 encoded. Decode before replying.

"Edward Lewis" <kq6dx@pacbell.net> wrote in message
news:oegu9usl7u97l3b9ch5ul9i5vbskj1p3ji@4ax.com...
> I tuned to 144.110 mhz usb last night and heard a signal that had a
> musical sound to it . What is this?
> Edward Lewis KQ6DX
> kq6dx@pacbell.net
>

737. Re: PSK31 Sked?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-26 10:38:07 UTC
From: Markus L <uo9oew@lnubb.pbz>
Message-ID: <3ca04f73$0$225$4d4ebb8e@read-nat.news.nl.uu.net>
Source record: 6561

There's a special group for digimode skeds:
http://groups.yahoo.com/group/soundcard-mode-skeds/
But PSK31 is the easiest: Plenty of signals around 14070 at any time.

73, Markus HB9BRJ
--
e-mail address is ROT13 encoded. Decode before replying.

"Gerard M Foley" <gfoley@columbus.rr.com> wrote in message
news:_fTn8.224474$s43.52615566@typhoon.columbus.rr.com...
I think I have PSK31 working, but no QSO's yet. Anyone think they can work
Ohio and want to make a sked? E-mail response would be great.

gfoley@columbus.rr.com

73

--
Gerry K8EF

http://home.columbus.rr.com/gfoley/
http://www.geocities.com/gerryf.geo/eclipseindex.html
http://www.fortunecity.com/victorian/pollock/263/egypt/egypt.html

738. Laptop Soundcard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-26 18:44:27 UTC
From: G Olson <golson@ix.netcom.com>
Message-ID: <81g1aucsst4i60e459t4td95jmvqugrd9s@4ax.com>
Source record: 6562

Hello all,

I am having a lot of trouble with the soundcard chipset in my small Sony Vaio. It does a terrible job of decoding PSK31 signals. My old Dell laptop with the same rig, cables and software decodes perfectly. I have been careful to set the input audio levels on both computers appropriately.

One solution that has been suggested is to bypass the chipset in the laptop with an external USB-based sound device. I wouldn't mind this if one could be found that is reletively small and easy to transport. Alternatively, I would prefer a PCMCIA solution if such a product exists.

Any advice about products or other solutions would be greatly appreciated.

Gregg, KC0TO

739. 56K packet equipment

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-27 22:53:24 UTC
From: ZZZjim_cronin@juno.comZZZ
Message-ID: <paj4auoegtuhkd9fu2vs6if4n2hvmq80h2@4ax.com>
Source record: 6563

For sale: Paccomm 56K WA4DSY "GRAPES" modem + cable
for PI/2 card. In excellent condition. $220 shipped to lower 48
states.

Call Jim at 716-381-3102 (evenings before 9 PM) or 716-231-2417 (work)
or email to ZZZjim_cronin@juno.comZZZ
(remove ZZZ on front and back to reply.)

73,
Jim
N2VNO

740. HF Packet

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-28 03:35:12 UTC
From: sstvswl <sstvswl@attbi.com>
Message-ID: <Qbwo8.143892$uA5.125011@rwcrnsc51.ops.asp.att.net>
Source record: 6564
Body handling: HTML body converted to readable text

Anyone hearing the packet being sent on 14.0875 ? Where is it originating
from ?
Here is some of what I've copied.

2:Fm ZF1AIT To TG9BD [20:27:29]
2:Fm ZF1AIT To CO7GG [20:27:29]
2:Fm ZF1AIT To XE1PM [20:27:33]
2:Fm ZF1AIT To TG9BD [20:27:34]
2:Fm ZF1AIT To CO7GG [20:27:34]
2:Fm ZF1AIT To XE1PM [20:27:36]

�CS�s�fw�0zO�sz����
Trk�^zD�TT"<�'�i}��K��6���G�N-,\�Yni���3�k�h�}W�a<_4R�>J
�fU�">W��G�W�"ZvGq�I�&�>.3LZwkR��D. ^�^�#�F��o�<��K~�6
��-m8�□�;�G�{�orCO�.�9A +�B��s�T����:9��Z�I�����_p�,�#r���
'�2F�`�n □f�Q�S.�m��_��P�Y(�.$���B

2:Fm ZF1AIT To XE1PM [20:27:38]

�I�+s�6-�3
�2�.-�*6$F���5~�z�g��Rf/�1��P.OK~S^�□���Oa�V�������8����2Z�^P���![.w�?
.�+�B��EZ����□!_VU?�
x@i��*���+'f₥'V���&bQ�L"H&��w□�?A7�Y>���,#3�NwMp
�Uc��C���
�o*��+�z��-�D]��!wg�^@�$�Z?HL��O.�W�%�`p.□6v/�~��$l=H�6x&F

2:Fm ZF1AIT To XE1FH [20:27:39]
2:Fm ZF1AIT To TG9BD [20:27:46]
2:Fm ZF1AIT To CO7GG [20:27:46]
2:Fm ZF1AIT To CO7GG [20:27:53]
2:Fm ZF1AIT To XE1FH [20:27:59]
2:Fm ZF1AIT To TG9BD [20:28:00]
2:Fm ZF1AIT To CO7GG [20:28:00]
2:Fm ZF1AIT To XE3RN [20:28:31]

741. Re: Laptop Soundcard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-28 06:21:47 UTC
From: Dan Holloway <dan.marion@optusnet.com.au>
Message-ID: <3ca2b678$0$4307$afc38c87@news.optusnet.com.au>
Source record: 6565

Gregg,

Yesterday, I read that Creative have a new external "sound-card" called the 'Exigy' or something like that. Should be ideal for laptops. I recall that it connects with a USB cable.

I'm want to try PSK31 myself and if the laptop I end up with is troublesome, I may try the thing myself.

73 de Dan, VK8AN

"G Olson" <golson@ix.netcom.com> wrote in message news:81g1aucsst4i60e459t4td95jmvqugrd9s@4ax.com...
> Hello all,
>
> I am having a lot of trouble with the soundcard chipset in my small
> Sony Vaio. It does a terrible job of decoding PSK31 signals. My old
> Dell laptop with the same rig, cables and software decodes perfectly.
> I have been careful to set the input audio levels on both computers
> appropriately.
>
> One solution that has been suggested is to bypass the chipset in the
> laptop with an external USB-based sound device. I wouldn't mind this
> if one could be found that is reletively small and easy to transport.
> Alternatively, I would prefer a PCMCIA solution if such a product
> exists.
>
> Any advice about products or other solutions would be greatly
> appreciated.
>
> Gregg, KC0TO
>

742. Re: HF Packet

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-28 09:06:38 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnaa5n8u.md.nomail@linux.pe1chl.ampr.org>
Source record: 6566

sstvswl <sstvswl@attbi.com> wrote:
>Anyone hearing the packet being sent on 14.0875 ? Where is it originating
>from ?
>Here is some of what I've copied.

> 2:Fm ZF1AIT To TG9BD <SABM P>[20:27:29]
> 2:Fm ZF1AIT To CO7GG <SABM P>[20:27:29]
> 2:Fm ZF1AIT To XE1PM <RR P/F R6 >[20:27:33]
> 2:Fm ZF1AIT To TG9BD <SABM P>[20:27:34]

It is originating from ZF1AIT and it is sent to TG9BD CO7GG and XE1PM.

Looks like BBS forwarding. What is so particular about it?

Rob
--
+---------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+---------------------------------+--------------------------------------+

743. Free Teddy Bear Re: Check out this free site

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-30 03:25:33 UTC
From: mint_20012001@yahoo.com
Message-ID: <3149a0e.0203291925.6299344d@posting.google.com>
Source record: 6567

Oh is cute. I love it very much! Thanks! ~ Ann :)

>Hi,
>
> I got a Free Pocket Teddy Bear for my child. It is very cute and my
> child loves it! Hurry up and get one for yourself while it is still
> available.
>
> http://track.floppybank.com/click-21953-81562
>
> Get one now before it is too late. :-)

744. uhf vhf

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-30 07:14:59 UTC
From: Mr E Crane <crane3@cablerocket.com>
Message-ID: <3ca56628.0@209.128.1.3>
Source record: 6568

for sale one adi 600 d looking to trade for an item
this is a vhf uhf with cross band rept. had cell phone freq.
also. has full coverage. ditigal display. comes with pc software for
progrmming in channels many many features.
more than most radios. mint condition. for furthere info you can email me.
not looking to sell looking totrade an item of equal value. if interested
email me asap.

for furthere information.

745. Re: Packet Problems

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-30 17:59:06 UTC
From: Mike <muranetzNOSPAM@telusplanet.net>
Message-ID: <3CA5FCFA.5605DCD5@telusplanet.net>
Source record: 6569
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc

Christopher KD6NSD Hoffmann wrote:
>
> Have you tried downloading the Paket61 program? What make /model is your
> new tnc? I started out with the tiny Tigertronics/Baycom steup and loved it.
> But since then have upgraded to a KPC3+ and love it even more. We can only
> hope to get more "Hams" active on packet.. Feel free to send me any
> questions, ...
>
> Chris KA7CJH (Reno,Nv)

Best to get PaKet 6.2 cause it's Y2K compatible. Works great, even on a
lowly 286. Good luck!

73 de Mike VE6HMG (Cold Lake, Alberta)
--

To reply, remove NOSPAM

Registered Linux User #188949

It said Windows (insert flavor) or better so I installed Linux ;-)

746. ARNewsline 1285 - March 29 2002

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-30 19:01:05 UTC
From: radionews@aol.com
Message-ID: <20020330140105.00527.00001596@mb-md.aol.com>
Source record: 6570

Amateur Radio Newsline™ Report 1285 - March 29 2002

Amateur Radio Newsline report number 1285 with a release date of Friday, March 29th, 2002 to follow in 5-4-3-2-1.

The following is a Q-S-T. Russia orbits a new but temporary ham radio satellite and the ARRL says its time to re farm the Novice bands. What is refarming? Find out on Amateur Radio Newsline report number 1285 coming your way right now.

(Billboard Cart Here)

**

HAM RADIO IN SPACE: RS-21 IN OBIT

Yet another ham radio satellite is now in space. This one is the Russian Radio Sport 21. Roy Neal, K6DUE, has the details:

--

Meet the latest ham radio satellite: RS-21. The newest ham radio satellite.

The satellite's formal name is the Russian-Australian Scientific and Educational Microsatellite Kolibri-2000. To most hams however, it is simply Radio Sport 21.

According to the AMSAT News Service, the new ham-sat was remotely launched on March 20th from a Russian Progress M-1-7 launcher that had brought supplies to the International Space Station. That launch took place after the Progress ship had un-docked from the I-S-S.

Alex Zaitzev, RW3DZ, the director of the Microsat Office of the Russian Space Research Institute, describes RS-21 as a non-government, non-commercial project, built with cooperation from students in Russia and Australia. It is currently in a circular orbit just over 200 miles above the Earth and on the air. Downlink frequencies are listed as 145.825 and 435.335 MHz.

The birds uses both CW and FSK for its telemetry transmissions, but it wont last very long. Zaitzev says that RS-21 was designed with a limited lifespan and that it will fall back into the atmosphere during the late winter or spring months. Till then though, RW3DZ, says that the satellite will send down data and digitally recorded voice messages.

For the Amateur Radio Newsline, Roy Neal, K6DUE.

--

Meantime, the L.A. Daily News reports that the current crew on board the International Space Station will be spending an extra month in orbit. Russian Cosmonaut Commander Yuri Onufrienko, RK3DUO along with American Astronauts Carl Walz, KC5TIE and Dan Bursch, KD5PNU will spend the time correcting problems with the Canadian built robotic arm used for ongoing I-S-S construction. This will mean the crew will be on board for a total of 189 days. This will be a new record for the US crew members on board the International Space Station. (AMSAT-NA)

**

HAM RADIO IN SPACE: HIGH SCHOOL CHEMISTRY EXPERIMENT TO THE ISS

A small science experiment at two Bloomington, Indiana High Schools is now headed for the International Space Station. A ham radio operator is helping to make it happen. Amateur News Weekly's Jack Parker, W8ISH, has the details from the home of Indiana University.

--

Eleven honors chemistry students from Bloomington North and Bloomington South High Schools have collaborated with NASA to prepare a protein crystal growth experiment. The protein, frozen since November, is now ready to be transported to the International Space Station.

Bloomington North advanced chemistry teacher Neil Rapp, WB9VPG will join the students as they travel to the Kennedy Space Center for the April 4th launch of the Atlantis space shuttle. Once the experiment is aboard the International Space Station, it will thaw and allow the crystals to grow. After the crystals are formed, they will be transported back to earth and studied by NASA, and eventually returned to the Bloomington High schools.

According to Neil Rapp, the formation of protein crystals is an important step in the development of drugs designed to cure various diseases.

Reporting for Amateur News Weekly, this is Jack Parker W8ISH.

--

All eleven chemistry students will be on hand for the launch of Atlantis. Each will receive a plaque and shirts designed to commemorate the launch of their experiment into space. (WB9VPG)

**

ARRL TO FCC: TIME TO RE-EVALUATE THE NOVICE BANDS

The ARRL has asked the FCC to eliminate the 80, 40 and 15-meter Novice and Technician Plus Morse code subbands. It also wants the FCC to reuse that spectrum, in part, to expand the radiotelephone allocations on 80 and 40 meters. Amateur Radio Newsline's Bruce Tennant, K6PZW has the details:

--

According to the ARRL Letter, a Petition for Rule Making filed March 22nd, the League requests that the FCC revise its Amateur Service rules in accordance

with the modified Novice band refarming scheme the ARRL Board of Directors okayed in January. The Petition has not yet been put on public notice for comment.

Refarming is a government-ese term coined a few years back. Its a way of saying that spectrum assigned to a given radio service will be reassigned for other uses within that service. In this case, reassigning spectrum now primerally dedicated to Novice C-W operation to various other modes.

If the FCC approves the plan, current Novice and Technician Plus licensees would be permitted to operate on the 80, 40, 15 and 10-meter General-class Morse code allocations at up to 200 watts output.

The ARRL's petition also asks the FCC to permit amateurs to use spread spectrum on the 222 to 225 MHz band. It also requests an expand the pool of special event call signs beyond the 1 by 1 format to include identifiers for US territories and possessions that do not provide for mailing addresses. And it asks the FCC to clarify its rules to indicate that modulated CW is permitted for repeater station identification.

For the Amateur Radio Newsline, I’m I’m Bruce Tennant, K6PZW.

--

In its petition, the ARRL cited substantial advancements in the use of “digital techniques” in the HF bands such as PSK31 to bolster its assertion that a refarming plan is needed. The ARRL says that the Novice High Frequency sub-bands are underutilized and Amateur Radio cannot wait any longer on this issue. A copy of the ARRL's complete Petition for Rulemaking is available on the ARRL Web at www.arrl.org. (ARRL)

**

Break 1

From the United States of America, We are the Amateur Radio Newsline, heard on bulletin stations around the world including the Montgomery County Amateur Radio Club repeater serving Washington D C.

(5 sec pause here)

**

A NEWSLINE FOLLOW-UP: A POLITICALLY DISORGANIZED 11 METER CLASS D SERVICE

A few weeks ago we reported that the FCC has refused to hear an appeal by an Illinois C-B operator convicted of Disorderly Conduct for interfering with a neighbors home entertainment electronics. In the days since that report first aired, it caused quite a stir on several Internet discussion groups. Everyone wants to know how a service that once boasted 3 out of every 5 Americans with radios in their cars could wind up where the local sheriff or policeman could take an operator off the air.

After a bit of research, the answer seemed pretty clear. In one word: Politics. Here is Amateur Radio Newsline’s South East Bureau Chief David

Black, KB4KCH, with part 1 of a multi part look at the strange political side of 11 meter C-B.

--

When it comes to having political representation, most communication groups are in good shape. Hams have the American Radio Relay League looking after their political well being. Broadcasters have the powerful National Association of Broadcasters. Cellular telephone companies have the CTIA. Even the General Mobile Radio Service, which shares frequencies with the Family Radio Service, has representation amid the Personal Radio Steering Group. So, what form of communications lacks representation? That would be 11 meter, Class D Citizens Band radio. What does CB have? This:

--
Sound from 11 meter CB
--

Give CB a listen, and you hear lots of people using a service without any structure or formalized representation. Some might even call it anarchy.

--
More sound from 11 meters
--

Ironically, CB's lack of political power--as well as its inability to defend against bureaucratic attack--is not due to shortage of people using the airwaves. Many believe that next to cellular telephones, the second largest selling piece of 2-way radio equipment in the 20th century has been the CB radio.

During the gas crisis in the 1970s, many cars sported some sort of 11 meter whip and a cheap CB radio under the dash. Low cost 11 meter radios by the millions were manufactured, imported and sold. The industry had hobby magazines and several newspaper style newsletters devoted to CB radio.

CB operators outnumbered hams by at least 20 to one. And they outnumber GMRS users by 1000 to one.

But CB was not able to defend itself from outside pressures either back then or today. Why? Part of the reason goes back to CB’ers themselves in the 1970s and early 1980s. Most of them were not really interested in the service. It was just a utility. A way to help learn where to find the cheapest gasoline or avoid speed traps.

The CB radio service lacked any real monetary commitment. Without that, there was no political commitment. And when fuel prices began to ease, many but not all 11 meter operators pulled their radios out of their cars--and put them in the attic.

Then there were the few others, the die hard CB hobbyists. They treated CB channels 1 through 40 as a sort of ham radio-like hobby. Some operated illegally, but would take the chance just to make a DX contact. But they never organized. Why?

Different CB groups formed over the years. Many called themselves political messiahs of 11 meters. But many turned out to be bogus.

During the late 1970's and early 1980's, C-B radio scam artists were busy, trying to separate the 11 meter radio operator from his hard earned cash. As group after group appeared and then vanished, it became apparent to most using C-B that trusting anyone was too expensive. Now, more than 25 years later, trust in any C-B political organization seems little more than a remote possibility.

And what about the legal C-B operators? Those dedicated to public service? That part of the story, next week.

For the Amateur Radio Newsline, I'm David Black, KB4KCH.

--

Next week David tells us about the only successful C-B organization and the reason that it survived when the rest went away. (ARNewsline(tm))

**

SHORTWAVE: ARNEWSLINE VISITS AN SWL-FEST

From C-B to shortwave listening. Ham radio operators are not the only radio hobbyists who hold conventions. So do Short Wave Listeners and one of the most successful gatherings is Winterfest. Amateur Radio Newsline’s Steve Coletti took his tape recorder and visited this years gathering. He has this report:

--
AUDIO ONLY - NO TEXT. Download MP3 audio at www.arnewsline.org by clicking on the newscast number.
--

It may not be the size of the Dayton Hamvention or Huntsville Hamfest, but to Short Wave Listeners, Winterfest is truly the best. (ARNewsline(tm))

**

RADIO GROUPS: NEW MURS USERS GROUP FORMING IN CYBERSPACE

We have covered C-B and short wave listening. How about MURS -- the newly created Multi-Use-Radio Service. Well, according to an Internet posting, an organization called The MURS OPEN Group has begun work to form an Internet-based MURS User's Group. This group will be a non-profit corporation whose main goal will be to encourage the growth of Multi-Use Radio Service. If you are interested in learning more, you can visit the group in cyberspace at: http://groups.yahoo.com/group/MURS-OPEN/ (MURS Open Group)

**

CONVENTIONS: WELCOME TO HAM RADIO AT NAB

If you are planning a trip to the upcoming National Association of Broadcasters convention, be advised that the hams of Las Vegas are expecting you. Bill Croghan, WB0KSW, says that the Las Vegas Radio Amateur Club repeaters are up,

active and hard linked.

Bill Croghan is the Chief Engineer of Lotus Broadcasting in Las Vegas. He says that on two meters try 146.94, minus 600 kHz offset with a 100 Hz access tone. This machine is now located on the Hilton hotel immediately above the Convention center, but on the opposite tower. From this site it should be useable from deep inside the Convention center and easily from anywhere on the Las Vegas strip.

If you would rather use a U-H-F machine try 448.500, minus MHz offset also with a 100 Hz access tone. This system is hard linked to the 2 meter machine but located on the old Tropicana hotel site as in years past. With the two systems linked any ham attending N-A-B with either a 2 meter or 70 centimeter radio can have fun and stay in touch. The convention takes place April 8th through the 11th at the Las Vegas Convention Center in Las Vegas, Nevada. (BEAN)

**

CONVENTIONS: WELCOME TO THE NAB HAM RADIO RECEPTION

Also, this years N-A-B Ham Radio Reception will take place Wednesday Evening, April 10th at 6 PM following the close of the exhibit hall. Location is the Hilton Convention Center in Ballroom B. The gathering is being co-sponsored by C-Q Magazine and Kenwood Communications. C-Q Publisher Dick Ross, K2MGA and Editor Rich Moseson, W2VU, along with Kenwood’s Paul Middelton, K4NUH, will be there as your host.

Amateur Radio Newsline will also be loitering around the convention and the Ham Radio Reception. We will be represented by Producer Bill Pasternak WA6ITF and by Todd Hitzeroth, N6ZXJ, who serves on the Young Ham of the Year Award committee. (CQ, ARNewsline(tm))

**

BREAK 2

This is ham radio news for todays radio amateur. From the United States of America, We are the Amateur Radio Newsline with links to the world from our only official website at www.arnewsline.org.

**

EMERGING TECHNOLOGY: KERMIT AND THE V-CHIP

Sesame Street’s Kermit the Frog has a new part-time job. According to news reports the little green guy will be put to work boosting the awareness of the television V-Chip.

The V-Chip is a mandatory internal accessory built into any T-V set larger than thirteen inches diagnal picture. The chip reads a digital code that contains a program's rating and can be programmed to block out television shows parents deem inappropriate for their kids.

Now the Hallmark Channel in conjunction with The Jim Henson Company, has donated the image of Kermit to the Federal Communications Commission for use in

an upcoming promotional campaign to bring attention to the availability of the V-Chip. A new brochure to be distributed to the public by the FCC, the Hallmark Channel and other interest groups, will feature Kermit sporting a "V" with his fingers and urging parents to monitor the programming their children watch. (Published news reports)

**

INTERNATIONAL - CANADA: VE7BFK IS NEW ARDF COORDINATOR

Gordon D. Young, VE7BFK has been appointed as the Radio Amateurs of Canada National A-R-D-F Coordinator. Young first became interested in A-R-D-F when the Friendship Amateur Radio Society hosted the 3rd Friendship Radio Games in Victoria British Columbia back in 1993. He has since attended A-R-D-F events in Russia, Japan and the United States. He replaces Perry Creighton, VA7PC who has held that appointment for several years. (RAC)

**

INTERNATIONAL - ISRAEL: 500TH NEWSLETTER ON THE AIR

From Israel comes word that Mark Stern, 4Z4KX, recently celebrated the 500th edition of his ‘Newsletter on the Air’ for that nations Russian-speaking ham community. Stern, the former UP2OE, has been performing this service for the last 11 years every Saturday morning on 7.080 MHz.

Stern also seeks donations of used gear that he donates to newly arrived new-immigrant hams. As a result of his efforts many have gotten on the air in Israel in only a short time after their arrival in that nation.

And if all that were not enough for one ham, Stern is also the Israeli Award Manager and issues the awards and trophies for the Holyland and Israeli VHF-UHF Contests. (Hagal International)

**

DX

In D-X, hams are usually out looking for D-Xpeditions. Heres a twist. A future D-Xpedition is looking for you. Jeramy Boot, G4NJH, explains:

--

Have you always wanted to take part in a major D-Xpedition, but never known how to get on an expedition team? Now could be your chance. Ken Holdom, ZL4HU, the leader of 'The Kermadec DX Association's' planned operation from the Chatham Islands - ZL7 - later this year, is looking for experienced SSB and CW operators to accompany the group. "As this will be a 24-hour-per-day operation, we are looking for operators who feel they have the willingness and ability to operate during both day time and night time," Ken says. For further information please contact the Kermadec DX Association, PO Box 7, Clyde, Central Otago, New Zealand or e-mail to zl2hu@clear.net.nz.

--

Again, that e-mail address to apply is zl2hu@clear.net.nz (RSGB)

A D-Xpedition to San Felix became active on March 16th as X-R-Zero C. It was active for 14 days on all bands and modes. If you made contact, QSL via John Kennon, N7CQQ, P. O. Box 31553, Laughlin, Nevada 89028.

Lastly, N6DE and K6EP will be active from St. Croix through April 2nd. During the CQ World Wide S-S-B Contest, they will use the callsign WP2Z. QSL WP2Z contacts via KU9C, and non-contest QSO’s to each operator's home callsign address. (Various DX sources)

**

THAT FINAL ITEM: AN APRIL 1ST CB D-XPEDITION TO THE ISLE DU CONEY

Earlier in this week's newscast we reported that 11 meter C-B has no political clout. What it does have is a bunch of people who just want to have fun. Now, a group of them is planning what they call a People's Radio D-Xpedition from an exotic island location. Roving reporter Pierre Pullinmyleg is here with the details:

--
AUDIO ONLY - NO TEXT. Download MP3 audio at www.arnewsline.org
--

Hopefully, Pierre will be back a year from now to pull your leg once again. (The April Fools Day File)

**

NEWSCAST CLOSE

With thanks to Alan Labs, AMSAT, the ARRL, the CGC Communicator, CQ Magazine, the FCC, the Ohio Penn DX Bulletin, Rain, the RSGB, and Australia's Q-News, that's all from the Amateur Radio Newsline(tm). Our e-mail address is newsline@arnewsline.org. More information is available at Amateur Radio Newsline's(tm) only official website located at www.arnewsline.org. You can also write to us or support us at Amateur Radio Newsline(tm), P.O. Box 660937, Arcadia, California 91066.

For now, with Bill Pasternak, WA6ITF, at the editors desk, I'm Don Wilbanks, KC5MFA saying 73, and we thank you for listening." Amateur Radio Newsline(tm) is Copyright 2002. All rights reserved.

747. LIfe of LiIon cells?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-31 14:41:15 UTC
From: Ken Pisichko <kenp@mb.sympatico.ca>
Message-ID: <3CA7200B.B808351F@mb.sympatico.ca>
Source record: 6571
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

Does anyone have any idea what the life of an unused (as in brand new sealed) LiIon battery pack should be? The e-bay vendors say their packs are about 3 to 5 years old and are sealed as in original IBM sealed batteries.

Should I get one of these battery packs from e-bay (sealed never used from original IBM sources), or should I get mine rebuilt (at greater expense) with more recent manufactured LiIon cells?

Is this the same situation for NiMH battery packs?

Checking QST back issues has not been definite as far as information goes.

Ken
VE4ZD

748. Re: LIfe of LiIon cells?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-31 15:19:13 UTC
From: JB <ac6tk@nospamcybertime.net>
Message-ID: <a8781r$1ob1$1@madmax.keyway.net>
Source record: 6572
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

10 years or more. NiMH and NiCad too if they were never charged.
"Ken Pisichko" <kenp@mb.sympatico.ca> wrote in message
news:3CA7200B.B808351F@mb.sympatico.ca...
: Does anyone have any idea what the life of an unused (as in brand new
: sealed) LiIon battery pack should be? The e-bay vendors say their
: packs are about 3 to 5 years old and are sealed as in original IBM
: sealed batteries.
:
: Should I get one of these battery packs from e-bay (sealed never used
: from original IBM sources), or should I get mine rebuilt (at greater
: expense) with more recent manufactured LiIon cells?
:
: Is this the same situation for NiMH battery packs?
:
: Checking QST back issues has not been definite as far as information
: goes.
:
: Ken
: VE4ZD
:

749. WinLink, PTC-IIe, and 706MKIIG

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-31 18:37:37 UTC
From: Dunc Fowler <Dunc.F@CenturyTel.Net>
Message-ID: <a87l3l$2riv$1@newsfeed.centurytel.net>
Source record: 6573
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,alt.ham-radio.packet

I am trying to set my 706 MK2G to interface with my SCS PTC IIe modem to use with WinLink to use the 706 in a split AFSK mode with Pactor II..
The setup instructions that are with WinLink are either not clear, or have been written for an earlier version of the 706.

I have installed the 500hz FL100 filter as well as the High Stability Crystal as has been recommended.

The radio settings instructions from WinLink say in part:
"To set up the split ("AFSK")mode, first select the radio's RTTY mode, then go to the radio's Quick Set Mode ... and set Q@ RTTY TONE to 2125, and Q♯ RTTY SHIFT to 200. Then get into Set mode ... " (and this is where I get lost), "be sure that "transceiver" mode (item 27) is set, and set baud rate (item 26) to 19200 baud rather than "auto"

My problem is that Item 27 in my set mode is "A-TUNE STRT" for starting the auto tuner, and Item 26 is "PWR ON CHK" for causing the power on check.

The only place where I have an "auto" choice is item 35, "CI-V BAUD I don't think this is what the directions were referring to.

I don't see any choices for putting "transceiver" as "set".

Any thoughts on this?

750. Sending a binary attachment using MIXW?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-03-31 20:24:30 UTC
From: "Alan P. Biddle" <APBIDDLE@MAILAPS.ORG>
Message-ID: <32seauc6l16nphdagoh5jgsqqvjvmurpi6@4ax.com>
Source record: 6574

A friend is looking at programs which will allow a laptop to send and receive at 9600 baud using the sound card interface to transfer information and pictures for use in emergency communications. An example would be to take a digital picture of damage and send it to the EOC. They have been experimenting with SSTV-type programs, but would like to work at a much faster transfer rate.

MIXW seems to do most of what is wanted, but there does not seem to be a way to transfer a binary file. It does support transfer of a text file, and there are some programs which allow the conversion of a binary file to HEX or MIME64. However, the emphasis here is to make it user friendly, and with a minimum of extra components. With MIXW, all you need is the patch cord to the radio.

Any ideas on this, or perhaps a good place to look? He has sent a note off to the author of the program, of course,

--
Alan
WA4SCA

751. AX.25 Extended address modification.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-01 01:41:57 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <FVOp8.16407$Eb5.1474290@bgtnsc05-news.ops.worldnet.att.net>
Source record: 6575

I've implemented Rob's extended address scheme, and the results
seem quite promising on my "bad" 9600 baud link.

I have slow start, a heard frame queue, and a simple scheme
to fall back to SABM when SABME fails. With a larger number
of smaller frames in flight, the link throughput is improved by
about 25 - 30%. Well worth the not very large coding effort.

Here is what I see as responses to the SABME from all the
different AX.25 implementations I can find on air today:

TheNet Plus 2.12st does not respond. Retry out then SABM.
G8BPQ 4.06K on DE responds DM
Previous SNOS responds DM
K-net V1.0 responds DM
PacketCluster V5.4-52 responds DM

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

752. Re: AX.25 Extended address modification.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-01 17:47:39 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnaah79r.pm3.nomail@linux.pe1chl.ampr.org>
Source record: 6576

Hank Oredson <horedson@att.net> wrote:
>I've implemented Rob's extended address scheme, and the results
>seem quite promising on my "bad" 9600 baud link.

>I have slow start, a heard frame queue, and a simple scheme
>to fall back to SABM when SABME fails. With a larger number
>of smaller frames in flight, the link throughput is improved by
>about 25 - 30%. Well worth the not very large coding effort.

>Here is what I see as responses to the SABME from all the
>different AX.25 implementations I can find on air today:

>TheNet Plus 2.12st does not respond. Retry out then SABM.
>G8BPQ 4.06K on DE responds DM
>Previous SNOS responds DM
>K-net V1.0 responds DM
>PacketCluster V5.4-52 responds DM

Yeah it is a pity that not everybody responds with DM or FRMR...
I think when I drafted the spec there were even stations that somehow
got disturbed. I implemented a "list of stations that can accept SABME"
feature to be used in such cases (e.g. on a node local access).
On an interlink it usually isn't a problem.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

753. Re: Sending a binary attachment using MIXW?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-01 20:30:53 UTC
From: Rob <Pse@NoEmail.Com>
Message-ID: <Fy3q8.5725$a04.29665@tor-nn1.netcom.ca>
Source record: 6577

Simple!!

Use the AGW Packet Engine and transfer any binary file using ANY SMTP EMAIL client like Outlook Express.

In other words just compose an EMAIL using Outlook Express and attach a file to it. Then send it! The AGW packet engine will transmit it the EMAIL and file over the radio using 1200 or 9600 baud TCP/IP packet radio.

The AGW packet engine supports 300, 1200 and 9600 baud packet using a soundcard or external TNC. You will need to purchase the IP/TCP option for the AGW packet engine. (It is VERY inexpensive. A real deal).

You should also be able to transfer a binary file using FLEXNET32 and any SMTP EMAIL client like MS Outlook Express. I think FLEXNET32 is free for ham use.

I believe MIXW can also be used this way to send files using TCP/IP. Read the docs or ask Nick.

Rob

"Alan P. Biddle" <APBIDDLE@MAILAPS.ORG> wrote in message news:32seauc6l16nphdagoh5jgsqqvjvmurpi6@4ax.com...
> A friend is looking at programs which will allow a laptop to send and
> receive at 9600 baud using the sound card interface to transfer
> information and pictures for use in emergency communications. An
> example would be to take a digital picture of damage and send it to
> the EOC. They have been experimenting with SSTV-type programs, but
> would like to work at a much faster transfer rate.
>
> MIXW seems to do most of what is wanted, but there does not seem to be
> a way to transfer a binary file. It does support transfer of a text
> file, and there are some programs which allow the conversion of a
> binary file to HEX or MIME64. However, the emphasis here is to make
> it user friendly, and with a minimum of extra components. With MIXW,
> all you need is the patch cord to the radio.
>
> Any ideas on this, or perhaps a good place to look? He has sent a note
> off to the author of the program, of course,
>
> --
> Alan
> WA4SCA

754. Re: Sending a binary attachment using MIXW?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-01 20:34:35 UTC
From: Rob <Pse@NoEmail.Com>
Message-ID: <6C3q8.5726$a04.29559@tor-nn1.netcom.ca>
Source record: 6578

Oh yes, you can also use AGW packet engine to send a binary file using
AX.25 instead of TCP/IP.

Use one of the great terminal programs for the AGW packet engine like
WinPack.

Rob

"Rob" <Pse@NoEmail.Com> wrote in message
news:Fy3q8.5725$a04.29665@tor-nn1.netcom.ca...
> Simple!!
>
> Use the AGW Packet Engine and transfer any binary file using ANY SMTP
EMAIL
> client like Outlook Express.
>
> In other words just compose an EMAIL using Outlook Express and attach a
file
> to it. Then send it! The AGW packet engine will transmit it the EMAIL
and
> file over the radio using 1200 or 9600 baud TCP/IP packet radio.
>
> The AGW packet engine supports 300, 1200 and 9600 baud packet using a
> soundcard or external TNC. You will need to purchase the IP/TCP option
for
> the AGW packet engine. (It is VERY inexpensive. A real deal).
>
> You should also be able to transfer a binary file using FLEXNET32 and any
> SMTP EMAIL client like MS Outlook Express. I think FLEXNET32 is free for
> ham use.
>
> I believe MIXW can also be used this way to send files using TCP/IP.
Read
> the docs or ask Nick.
>
> Rob
>
>
> "Alan P. Biddle" <APBIDDLE@MAILAPS.ORG> wrote in message
> news:32seauc6l16nphdagoh5jgsqqvjvmurpi6@4ax.com...
> > A friend is looking at programs which will allow a laptop to send and
> > receive at 9600 baud using the sound card interface to transfer
> > information and pictures for use in emergency communications. An
> > example would be to take a digital picture of damage and send it to
> > the EOC. They have been experimenting with SSTV-type programs, but

> > would like to work at a much faster transfer rate.
> >
> > MIXW seems to do most of what is wanted, but there does not seem to be
> > a way to transfer a binary file. It does support transfer of a text
> > file, and there are some programs which allow the conversion of a
> > binary file to HEX or MIME64. However, the emphasis here is to make
> > it user friendly, and with a minimum of extra components. With MIXW,
> > all you need is the patch cord to the radio.
> >
> > Any ideas on this, or perhaps a good place to look? He has sent a note
> > off to the author of the program, of course,
> >
> > --
> > Alan
> > WA4SCA
>
>

755. Re: LIfe of LiIon cells?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-01 23:36:44 UTC
From: dnb <dnb@comcastt.com>
Message-ID: <ga6q8.374378$uv5.31718525@bin6.nnrp.aus1.giganews.com>
Source record: 6579
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

But I seem to remember reading that Li-Ion is only good for 1/2 or 2/3 the number of recharge cycles that a Ni-Cad will have.

"JB" <ac6tk@nospamcybertime.net> wrote in message news:a8781r$1ob1$1@madmax.keyway.net...
> 10 years or more. NiMH and NiCad too if they were never charged.
> "Ken Pisichko" <kenp@mb.sympatico.ca> wrote in message news:3CA7200B.B808351F@mb.sympatico.ca...
> : Does anyone have any idea what the life of an unused (as in brand new
> : sealed) LiIon battery pack should be? The e-bay vendors say their
> : packs are about 3 to 5 years old and are sealed as in original IBM
> : sealed batteries.
> :
> : Should I get one of these battery packs from e-bay (sealed never used
> : from original IBM sources), or should I get mine rebuilt (at greater
> : expense) with more recent manufactured LiIon cells?
> :
> : Is this the same situation for NiMH battery packs?
> :
> : Checking QST back issues has not been definite as far as information
> : goes.
> :
> : Ken
> : VE4ZD
> :
>

756. Re: WinLink, PTC-IIe, and 706MKIIG

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-02 13:25:17 UTC
From: Jean-Marie Houle <houlejm@spam.hotmail.com>
Message-ID: <Xns91E455AE7550Ahoulejmhotmailcom@192.26.210.18>
Source record: 6580
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,alt.ham-radio.packet

"Dunc Fowler" <Dunc.F(No Spam)@CenturyTel.Net> wrote in
news:a87l3l$2riv$1@newsfeed.centurytel.net:

> I am trying to set my 706 MK2G to interface with my SCS PTC IIe modem
> to use with WinLink to use the 706 in a split AFSK mode with Pactor
> II.. The setup instructions that are with WinLink are either not
> clear, or have been written for an earlier version of the 706.
>
>> The only place where I have an "auto" choice is item 35, "CI-V BAUD I
> don't think this is what the directions were referring to.

Yes it is. set it to 19200

>
>
> I don't see any choices for putting "transceiver" as "set".

It is item 36 "CI-V TRN" select "ON"

>
>

JM
VE2AEY

757. Soundcard Software For Packet ETC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-02 20:50:28 UTC
From: Dave <g3vfp@blueyonder.co.uk>
Message-ID: <oQoq8.580$ja.52350@news-binary.blueyonder.co.uk>
Source record: 6581

Hi guys.

If you are interested in packet, either on vhf/uhf or hf, there is a great software for you to play with. It also has drivers for running tcp/ip. It's MixW by UT2UZ. Take a look and play. This software has more modes in it which use the PC soundcard than you can think of :-) Windoze of course.

http://www.g3vfp.com/download.html

Cheers,

Dave G3VFP

758. VK5GY Silent Key.!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-04 03:41:25 UTC
From: Stef Daniels VK5HSX <vk5hsx@wia.org.au>
Message-ID: <MPG.17166f646f45f41c989683@news.bigpond.com>
Source record: 6582
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.misc,rec.radio.amateur.policy

Greetings and thanks for reading this message..

It is with much regret that the news of John Eastaugh VK5GY
passing, be posted to the Amateur community. I happened Tues 28th Mar
2002. He was a valued member of South Coast Amateur Radio Club Inc. [SA]
and will be sorely missed. We pass on our sincere condolences to his
family..

--
Regards,

Stef Daniels
vk5hsx@wia.org.au
Adelaide, South Australia
---

759. Re: Sending a binary attachment using MIXW?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-04 13:06:15 UTC
From: "Alan P. Biddle" <APBIDDLE@MAILAPS.ORG>
Message-ID: <e3hoau4nv0b6d7fptro8qtefukpmdcnqet@4ax.com>
Source record: 6583

Rob,

Thanks for the info. Nick was not aware of the need for that capability, so it isn't in there. Perhaps later. Will take a good look at the other options.

--
Alan
WA4SCA

760. Manual For Yaesu FT-470

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-04 14:10:56 UTC
From: KasChinchan <tpaj@inet.hr>
Message-ID: <a8hmtm$ri3$1@sunce.iskon.hr>
Source record: 6584

May be somebody have manual for Yaesu FT-470 to send me or for sale in Croatia via Internet connection?

761. Re: Manual For Yaesu FT-470

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-04 18:58:44 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3CACA264.52CC24B2@crosslink.net>
Source record: 6585

KasChinchan wrote:
>
> May be somebody have manual for Yaesu FT-470 to send me or for sale in
> Croatia via Internet connection?

Hi,
I have an unbound xerox copy but it is large so I do not know how long
it will take to scan it then send it to you there in Croatia via
internet. Would regular mail be easear? I'll try scanning (some of) it
this evening.
Cheers KA3DWW

762. ShineMicro TNC??

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-04 19:05:42 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3CACA406.2ABB23A4@crosslink.net>
Source record: 6586

Hi,
Anybody using Shinemicro's SM2496 TNC on their Handspring Visor PDA? The doc's are less than comprehensive and my XYL is having troubles getting hers set up. Advice and help on the learning curve appreciated. TIA
KA3DWW

763. Mac Ham Radio Software List

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-05 12:55:17 UTC
From: John Seney <wd1v@amsat.org>
Message-ID: <wd1v-65F91E.07584805042002@netnews.attbi.com>
Source record: 6587
Cross-posted to: rec.radio.amateur.digital,rec.radio.amateur.digital.misc

http://www.qsl.net/wd1v/Page7.html

73!
JS
http://www.qsl.net/wd1v

764. Re: WinLink, PTC-IIe, and 706MKIIG

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-06 00:01:14 UTC
From: "S. Miller" <stemp-removethis-@gstarusa.com>
Message-ID: <3CAE3ACA.D821CA13@gstarusa.com>
Source record: 6588
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,alt.ham-radio.packet

You do not need to play with the radio's 'tone' and 'shift' settings for AFSK, these are used for FSK only. If you are using the AirMail v3 software you really don't need to play with much of anything on the radio, most everything is easily set up from the 'Options' menu in the AirMail software.

Also, I assume that you realize that when using a PTC-IIe you will need a second serial port on your PC if you want to have the AirMail software automatically set the operating frequency for you.

On the plus side, once you get everything set up I believe you will find that the 706 and the PTC-IIe make a great combination.

Dunc Fowler wrote:

> I am trying to set my 706 MK2G to interface with my SCS PTC IIe modem to use
> with WinLink to use the 706 in a split AFSK mode with Pactor II..
> The setup instructions that are with WinLink are either not clear, or have
> been written for an earlier version of the 706.
>
> I have installed the 500hz FL100 filter as well as the High Stability
> Crystal as has been recommended.
>
> The radio settings instructions from WinLink say in part:
> "To set up the split ("AFSK")mode, first select the radio's RTTY mode, then
> go to the radio's Quick Set Mode ... and set Q@ RTTY TONE to 2125, and Q#
> RTTY SHIFT to 200. Then get into Set mode ... " (and this is where I get
> lost), "be sure that "transceiver" mode (item 27) is set, and set baud rate
> (item 26) to 19200 baud rather than "auto"
>
> My problem is that Item 27 in my set mode is "A-TUNE STRT" for starting the
> auto tuner, and Item 26 is "PWR ON CHK" for causing the power on check.
>
> The only place where I have an "auto" choice is item 35, "CI-V BAUD I don't
> think this is what the directions were referring to.
>
> I don't see any choices for putting "transceiver" as "set".
>
> Any thoughts on this?

765. Re: Cheapest Pactor?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-06 20:28:21 UTC
From: ke8hhNOSPAM@arrl.net
Message-ID: <3caf5cbd$0$35575$2c3e98f8@news.voyager.net>
Source record: 6589

Thus Spake "Bob Lewis \(AA4PB\)" <rlewis@staffnet.com>:

>The cheapest way is probably to find a good used TNC that includes
>Pactor. You won't find any Windows programs that will make a Pactor
>ARQ link using the sound card.
>
MixW v.2 has a pactor mode for use with a sound card. While I
haven't tried it (I use it for PSK-31), if it's as good as the other
modes, it will do as well as an inexpensive TNC.

Incidently, the MFJ-1275 sound card interface works well with
it and makes for a pretty inexpensive digital solution.

73 de ke8hh, Rick

766. Re: Cheapest Pactor?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-07 01:23:38 UTC
From: "Bob Lewis (AA4PB)" <rlewis@staffnet.com>
Message-ID: <uav7u04ih6dtb5@corp.supernews.com>
Source record: 6590

> MixW v.2 has a pactor mode for use with a sound card.

No, MixW can receive pactor. It does not transmit pactor. As far as I know, there are currently no Windows based sound card programs that can make a pactor or amtor ARQ link with another station.

767. Texscan Spectrum Analyzer info needed

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-07 04:20:40 UTC
From: "Donald E. Smith" <desmith@innercite.com>
Message-ID: <3CAFC918.DFD6ACF@innercite.com>
Source record: 6591
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.digital.misc,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.swap,sci.electronics.repair

I am in need of information for a part on my Texscan AL-51 Spectrum Analyzer. The 1 to 2 ghz oscillator is dead and I traced the problem to a stack of four tuning (vericap) diodes with a part number of MDT606. I have not been able to locate the part number or a cross reference to this part. Might anyone out there have information on the defective part; or perhaps an extra part (or even the oscillator module itself)? Gladly pay reasonable costs. Please respond to my email address. Thanks and 73's Don Smith KB6GQA

768. Interface for AEA PK-88 and Radio Shack HTX-252

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-07 13:06:58 UTC
From: sjk_3@hotmail.com
Message-ID: <a502b7f.0204070506.c1df375@posting.google.com>
Source record: 6592

I did a search on Google and Google Groups for an answer but I must be the first person to ask this question...

Does anyone have a wiring diagram/instructions for making an interface cable for an AEA PK-88 to a Radio Shack HTX-252 mobile?

If a pre-made cable can be found, that would be fine too.

Thank you for your help.

Steve

769. Re: Sending a binary attachment using MIXW?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-07 15:55:38 UTC
From: Rob <Pse@NoEmail.Com>
Message-ID: <hZZr8.6527$a04.33467@tor-nn1.netcom.ca>
Source record: 6593

Alan,

I forgot to mention that Symek manufacturers HIGH SPEED packet radio modems
and radios. With the Symek equipment you can send and receive packet at
speeds up to 1.6 MBaud. (Much faster than Dialup Internet connections!)
You can easily transmit and receive binary files and pictures with the Symek
equipment but it is pricey!

See http://www.symek.com/g/index-g.html

If you want to transmit and receive binary files over HF, consider using
PACTOR II or CLOVER II. (I prefer PACTOR II. In my view, you can more
easily reach the higher speeds over typical HF conditions using PACTOR II)

For Pactor II -- see www.scs-ptc.com
For CLOVER II -- see www.halcomm.com

I DO NOT recommend using Packet for HF communications. It was not designed
to cope with typical HF conditions (i.e. QSB, QRN, QRM etc). PACTOR and
CLOVER are much better!

Rob

"Alan P. Biddle" <APBIDDLE@MAILAPS.ORG> wrote in message
news:e3hoau4nv0b6d7fptro8qtefukpmdcnqet@4ax.com...
> Rob,
>
> Thanks for the info. Nick was not aware of the need for that
> capability, so it isn't in there. Perhaps later. Will take a good
> look at the other options.
>
>
>
> --
> Alan
> WA4SCA

770. Re: Interface for AEA PK-88 and Radio Shack HTX-252

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-07 19:39:22 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0204071938110.15154-100000@exp.bde-arc.ampr.org>
Source record: 6594

On 7 Apr 2002, Stan wrote:
>I did a search on Google and Google Groups for an answer but I must be
>the first person to ask this question...
>
>Does anyone have a wiring diagram/instructions for making an interface
>cable for an AEA PK-88 to a Radio Shack HTX-252 mobile?
>
>If a pre-made cable can be found, that would be fine too.
>
>Thank you for your help.

Try following the "Wiring diagrams" link on http://www.qsl.net/scdcc/links.html

At the site it points to, the PK-88 is diagramed. Some Radio Shack radios also
have their relevent pin-outs listed.

771. FS: AEA PK232MBX with EPROM upgrade to Pactor

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-07 23:14:25 UTC
From: Rick and Theresa <n6cy@earthlink.net>
Message-ID: <lp4s8.23848$nt1.1938334@newsread2.prod.itd.earthlink.net>
Source record: 6595
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.swap

AEA PK232MBX upgraded to PACTOR capability about three years ago. Still have original 1990 EPROM, if you wish. Comes with Manual plus updates, power cord, and new connectors for radio connections. You supply the specific wiring to your radio(s).

Unit is in very good shape, used only indoors and non-smoking environment. Only owner.

Asking $100.

TIA, Rick N6CY

772. radio feed

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-08 00:16:37 UTC
From: Cliff Kruger <ssmithh@hotmail.com>
Message-ID: <Fj5s8.4347$h22.181089@news0.telusplanet.net>
Source record: 6596

Hi all. I'm looking for an online radio station that provides html code to web pages that creates a remote link from the web page to the radio station. When a link on the web page is activated the radio station begins playing music on the listener's computer speakers. A web service called iceberg.com used to provide this service but they have now discontinued it.

Any leads on online radion stations that provide such active links is greatly appreciated. Thanks in advance. Cliff.

773. Re: radio feed

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-08 04:51:49 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0204080451190.15385-100000@exp.bde-arc.ampr.org>
Source record: 6597

On Mon, 8 Apr 2002, Cliff Kruger wrote:
>Hi all. I'm looking for an online radio station that provides html code to web pages that creates a remote link from the web page to the radio station. When a link on the web page is activated the radio station begins playing music on the listener's computer speakers. A web service called iceberg.com used to provide this service but they have now discontinued it.
>
>Any leads on online radion stations that provide such active links is greatly appreciated. Thanks in advance. Cliff.

Broadcasting is not allowed in the amateur radio service.

774. Re: LIfe of LiIon cells?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-09 01:50:45 UTC
From: "Ed G." <Spurious@_REMOVE_StarBand.net>
Message-ID: <Xns91EAC0168AF74Frog207Junocom@148.78.248.76>
Source record: 6598
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

> But I seem to remember reading that Li-Ion is only good for 1/2 or 2/3
> the number of recharge cycles that a Ni-Cad will have.
>

That is correct. I'm trying now to find the factory source to back up
this information...

Ed

775. Source for a Baycom style modem.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-10 01:27:39 UTC
From: Andy Ball <ball@invalid.null>
Message-ID: <3CB3950B.4010608@invalid.null>
Source record: 6599

Hello!

Does anyone here happen to know of a source in North America for an inexpensive 'Baycom' style packet modem? I'd like to see what packet is like in my area before I invest in a TNC (if that proves necessary).

Regards,
- Andy KB9YLW

776. Re: Source for a Baycom style modem.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-10 02:01:43 UTC
From: Keith Zimmermann <Keith_nonspam@Zimmermann.com>
Message-ID: <b2Ns8.31385$4L4.1176992@typhoon.austin.rr.com>
Source record: 6600

I found a new Baycom on EBay being sold as a close-out item.

They aren't the easiest device to get working under the Windows OS.
However, they work fine in DOS on old computers. I've managed to achieve
some degree of success with it in Windows, too.

Keith
K5WX

"Andy Ball" <ball@invalid.null> wrote in message
news:3CB3950B.4010608@invalid.null...
>
> Hello!
>
> Does anyone here happen to know of a source in North America for an
> inexpensive 'Baycom' style packet modem? I'd like to see what packet
> is like in my area before I invest in a TNC (if that proves
> necessary).
>
> Regards,
> - Andy KB9YLW
>

777. PSK 31

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-10 02:48:53 UTC
From: Mike <mikelrobin@earthlink.net>
Message-ID: <pKNs8.4181$3P4.337538@newsread2.prod.itd.earthlink.net>
Source record: 6501

anyone using a Mark V with Digipan for PSK 31 ?? Mike w7mic

778. Re: New sites

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-10 07:52:08 UTC
From: J <jca1954@iprimus.com.au>
Message-ID: <3cb3ef25_1@news.iprimus.com.au>
Source record: 6502

on way !
"F5LCY" <f5lcy@libertysurf.fr> wrote in message
news:a8ukes$nf4$4@news5.isdnet.net...
> Ham site updated today
> http://f6keh.free.fr/index_r
>
>

779. Re: Source for a Baycom style modem.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-10 16:16:51 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3CB46573.472D506@crosslink.net>
Source record: 6503

Andy Ball wrote:
>
> Hello!
>
> Does anyone here happen to know of a source in North America for an
> inexpensive 'Baycom' style packet modem?

Go to <http://www.tigertronics.com/> and click on "BayPac Modems" under
"Products" in the left hand column.

73 KA3DWW

780. Re: Source for a Baycom style modem.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-10 16:44:17 UTC
From: ZZZjim_cronin@juno.comZZZ
Message-ID: <3cb46b6e.98021527@13.0.32.55>
Source record: 6505

Try the Rochester Area Packet Society (RAPS) . They built a
decent quantity of boards and probably still have them.

73,
Jim
N2VNO

On Tue, 09 Apr 2002 20:27:39 -0500, Andy Ball <ball@invalid.null>
wrote:

>
>Hello!
>
>Does anyone here happen to know of a source in North America for an
>inexpensive 'Baycom' style packet modem? I'd like to see what packet
>is like in my area before I invest in a TNC (if that proves
>necessary).
>
>Regards,
> - Andy KB9YLW
>

781. Re: Source for a Baycom style modem.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-11 05:19:03 UTC
From: Christopher KA7CJH Hoffmann <ka7cjhNOSPAM@arrl.net>
Message-ID: <3cb51ce4_1@news.greatbasin.net>
Source record: 6506

I agree www.tigertronics.com Very decent tnc for the money.

Chris

782. Re: Source for a Baycom style modem.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-11 21:40:56 UTC
From: msbob <msbob@hotmail.com-edy>
Message-ID: <3CB602E8.E541E6F7@hotmail.com-edy>
Source record: 6504

Vito wrote:
>
> Andy Ball wrote:
> >
> > Does anyone here happen to know of a source in North America for an
> > inexpensive 'Baycom' style packet modem?
>
> Go to <http://www.tigertronics.com/> and click on "BayPac Modems" under
> "Products" in the left hand column.

Or Far Circuits partial kit:
<http://www.farcircuits.net/modem2.htm#7modem>
(from a project in Jan 2000 QST)

783. Total beginner with dumb questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-12 14:21:35 UTC
From: Roger Conroy <rogerconroy@nospam.hotmail.com>
Message-ID: <a96qk2bqp1@ctb-nnrp1.saix.net>
Source record: 6507

I would like to get started with packet satellites. I live in a very rural area of South Africa - there is absolutely NO ground based packet within reach of me. I'm a no-code ham so HF is not on my licence.

I have a 2m/70cm Dual band Alinco DR610. It has different methods of connecting for 1200 and 9600 bps packet. I have read quite a bit on using a pc soundcard in place of a TNC
Sound cards being ubiquitous and TNC's are VERY expensive here. I also came across a device called a "Rigblaster" made by www.westmountainradio.com - the simplest model they make is about as much as I could afford due to an extremely bad exchange rate.

Would the 2 different connection methods for my radio be a problem?
Is such a set-up as good as a real tnc - or would I be missing something?
Are there any good beginners guides for packet available anywhere?

73
Roger
ZR1RC

784. Unidentified signals on 14.078 MHz

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-12 21:00:28 UTC
From: Arnt Richard Johansen <arj@nvg.ntnu.no>
Message-ID: <Pine.LNX.4.40.0204122240180.31912-100000@hagbart.nvg.ntnu.no>
Source record: 6508

Good evening, ladies and gentlemen.

While I was listening through the 20 MHz band tonight, I came across a digital mode I couldn't quite identify. It sounded almost, but not quite, like DTMF. It consisted of a few (8 to 12?) tones, of which one or two were transmitted simulataneously. There were about four frequency shifts each second.

I should have made a recording of it, but I was too busy fiddling with various digimode software (such as Stream and MixW) trying to get it to decode, and then it stopped.

Can any of you, on the basis of my description, make a guess on what it is that I have heard? Thanks in advance.

--
73 de LA6AKA

785. Re: Unidentified signals on 14.078 MHz

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-12 21:54:09 UTC
From: Dave <drake3d@yahoo.com>
Message-ID: <3cb7582c$1_3@corp-news.newsgroups.com>
Source record: 6509

not sure but 14.080 is where rtty is or 14.069 for psk, I would bet on the
rtty and someones rig is off a little.

Just my guess, I checked out the freq with my trustless scanner picked up
some faint tones on WFM but there was too much rfi for the little scanner.

73 de kb1hup

"Arnt Richard Johansen" <arj@nvg.ntnu.no> wrote in message
news:Pine.LNX.4.40.0204122240180.31912-100000@hagbart.nvg.ntnu.no...
> Good evening, ladies and gentlemen.
>
> While I was listening through the 20 MHz band tonight, I came across a
> digital mode I couldn't quite identify. It sounded almost, but not quite,
> like DTMF. It consisted of a few (8 to 12?) tones, of which one or two
> were transmitted simulataneously. There were about four frequency shifts
> each second.
>
> I should have made a recording of it, but I was too busy fiddling with
> various digimode software (such as Stream and MixW) trying to get it to
> decode, and then it stopped.
>
> Can any of you, on the basis of my description, make a guess on what it is
> that I have heard? Thanks in advance.
>
> --
> 73 de LA6AKA
>

786. Re: Unidentified signals on 14.078 MHz

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-12 23:23:52 UTC
From: Ralph Mowery <rmowery@dialpoint.net>
Message-ID: <3CB76C88.3D2D4E80@dialpoint.net>
Source record: 6510

It was probably MFSK16 (think that 14.080 usb mode) is the calling frequency so to speak for that mode. The psk31 that someone mentioned is usually 14.070 and up just a hair. If you would like to decode it or some other digital modes go here:

http://www.muenster.de/%7Ewelp/sb.htm

for some sound card programs. Try hamscope for many modes.

787. Re: Unidentified signals on 14.078 MHz

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-12 23:27:16 UTC
From: Ralph Mowery <rmowery@dialpoint.net>
Message-ID: <3CB76D54.6B781A7A@dialpoint.net>
Source record: 6511

YOu will not be able to do much with most of the digital modes on the lowbands with a FM receiver. They are normally received with a receiver set up for SSB or if you have it, the rtty position which uses much the same type of demodulator circuit.

Dave wrote:
>
> not sure but 14.080 is where rtty is or 14.069 for psk, I would bet on the
> rtty and someones rig is off a little.
>
> Just my guess, I checked out the freq with my trustless scanner picked up
> some faint tones on WFM but there was too much rfi for the little scanner.
>
> 73 de kb1hup
>
>

788. Re: LIfe of LiIon cells?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-13 01:24:39 UTC
From: Tate Jackson <tatejackson@mindspring.com>
Message-ID: <a9817ahpe1@slb3.atl.mindspring.net>
Source record: 6512
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

Where can one get Li Ion Batteries rebuilt. I one about 4 years old.

Tate

N3BXZ

"Ken Pisichko" <kenp@mb.sympatico.ca> wrote in message
news:3CA7200B.B808351F@mb.sympatico.ca...
> Does anyone have any idea what the life of an unused (as in brand new
> sealed) LiIon battery pack should be? The e-bay vendors say their
> packs are about 3 to 5 years old and are sealed as in original IBM
> sealed batteries.
>
> Should I get one of these battery packs from e-bay (sealed never used
> from original IBM sources), or should I get mine rebuilt (at greater
> expense) with more recent manufactured LiIon cells?
>
> Is this the same situation for NiMH battery packs?
>
> Checking QST back issues has not been definite as far as information
> goes.
>
> Ken
> VE4ZD
>

789. Re: LIfe of LiIon cells?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-13 01:37:04 UTC
From: dnb <dnb@comcastt.com>
Message-ID: <4ZLt8.15712$%8.1816323@bin2.nnrp.aus1.giganews.com>
Source record: 6513
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

Found one:

http://www.directron.com/batteryterms.html

"Ed G." <Spurious@_REMOVE_StarBand.net> wrote in message
news:Xns91EAC0168AF74Frog207Junocom@148.78.248.76...
>
>
> > But I seem to remember reading that Li-Ion is only good for 1/2 or 2/3
> > the number of recharge cycles that a Ni-Cad will have.
> >
>
> That is correct. I'm trying now to find the factory source to back up
> this information...
>
>
>
> Ed
>

790. Re: Unidentified signals on 14.078 MHz

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-13 02:31:40 UTC
From: Dave <drake3d@yahoo.com>
Message-ID: <3cb79939_3@corp-news.newsgroups.com>
Source record: 6514

Yea I know and I need a good antenna too. Actually my father and I have a Yaesu ft-840 for hf and we are putting up a Van Gorden Shorty up around 30 -35 ft. We are in the process of moving the shack upstairs to a nice room instead of the basement. Hook the rig blaster and Kam+ up and where good to go.
I just had the scanner handy so I had a listen nothing except on WFM. Figure the antenna not tuned for hf anyways but I usually can pickup 40m cw on 7.040.

73 de kb1hup

"Ralph Mowery" <rmowery@dialpoint.net> wrote in message news:3CB76D54.6B781A7A@dialpoint.net...
> YOu will not be able to do much with most of the digital modes on the
> lowbands with a FM receiver. They are normally received with a receiver
> set up for SSB or if you have it, the rtty position which uses much the
> same type of demodulator circuit.
>
>
> Dave wrote:
> >
> > not sure but 14.080 is where rtty is or 14.069 for psk, I would bet on the
> > rtty and someones rig is off a little.
> >
> > Just my guess, I checked out the freq with my trustless scanner picked up
> > some faint tones on WFM but there was too much rfi for the little scanner.
> >
> > 73 de kb1hup
> >
> >

791. Re: Unidentified signals on 14.078 MHz

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-13 03:02:44 UTC
From: Chuck Reti <wv8a@*NO*SPAM*arrl.net>
Message-ID: <odNt8.19380$043.1554708@bin6.nnrp.aus1.giganews.com>
Source record: 6515

In article
<Pine.LNX.4.40.0204122240180.31912-100000@hagbart.nvg.ntnu.no>,
Arnt Richard Johansen <arj@nvg.ntnu.no> wrote:

> Good evening, ladies and gentlemen.
>
> While I was listening through the 20 MHz band tonight, I came across a
> digital mode I couldn't quite identify. It sounded almost, but not quite,
> like DTMF. It consisted of a few (8 to 12?) tones, of which one or two
> were transmitted simulataneously. There were about four frequency shifts
> each second.
>
> I should have made a recording of it, but I was too busy fiddling with
> various digimode software (such as Stream and MixW) trying to get it to
> decode, and then it stopped.
>
> Can any of you, on the basis of my description, make a guess on what it is
> that I have heard? Thanks in advance.

Probably MFSK16
Audio samples of most digital comm modes at
http://rover.wiesbaden.netsurf.de/~signals/DIG_intro.htm
--
chuck reti wv8a
detroit mi usa

792. MFJ 1278B Manual???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-13 12:41:24 UTC
From: "J. Duffy Beischel" <jduffy@zoomtown.com>
Message-ID: <ubg9tflrlmjs42@corp.supernews.com>
Source record: 6516

I sold an MFJ 1278B Multi-Mode TNC to a guy but did not have a manual for it (think I lent it to someone and did not get it back). I told him when I sold it I did not have the manual, but he could sure use one.

Anyone have a copy that they could possibly spare?

Thanks,

Duffy - WB8NUT

793. Re: Unidentified signals on 14.078 MHz

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-13 15:23:23 UTC
From: ralphmw@aol.com
Message-ID: <20020413112323.00874.00002951@mb-me.aol.com>
Source record: 6517

Wow, Awesome site. As an old Signals Intelligence type, this is a really nice site. Thanks for finding & putting it on here. Don't worry, I'm retired from that old line of work.

794. Re: Unidentified signals on 14.078 MHz

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-13 17:05:43 UTC
From: Richard Ferch <ve3iay@storm.ca>
Message-ID: <a99og4$r9d$1@news.storm.ca>
Source record: 6518

Read the description again more carefully. Two tones simultaneously, changing four times/second, cannot be MFSK16 (never more than one tone at a time, changing 15.625 times a second). LA6AKA's original description below fits much better with Throb (4 baud version). This mode was invented by G3PPT (see http://www.lsear.freeserve.co.uk/page3.html for info). DL5SWB has written an enhanced version of the original program, but many people trying this mode nowadays are using the MixW software (http://mixw.net).

73,
Rich VE3IAY

"Chuck Reti" <wv8a@*NO*SPAM*arrl.net> wrote in message news:odNt8.19380$043.1554708@bin6.nnrp.aus1.giganews.com...
> In article
> <Pine.LNX.4.40.0204122240180.31912-100000@hagbart.nvg.ntnu.no>,
> Arnt Richard Johansen <arj@nvg.ntnu.no> wrote:
>
> > Good evening, ladies and gentlemen.
> >
> > While I was listening through the 20 MHz band tonight, I came across a
> > digital mode I couldn't quite identify. It sounded almost, but not quite,
> > like DTMF. It consisted of a few (8 to 12?) tones, of which one or two
> > were transmitted simulataneously. There were about four frequency shifts
> > each second.
> >
> > I should have made a recording of it, but I was too busy fiddling with
> > various digimode software (such as Stream and MixW) trying to get it to
> > decode, and then it stopped.
> >
> > Can any of you, on the basis of my description, make a guess on what it is
> > that I have heard? Thanks in advance.
>
> Probably MFSK16
> Audio samples of most digital comm modes at
> http://rover.wiesbaden.netsurf.de/~signals/DIG_intro.htm
> --
> chuck reti wv8a
> detroit mi usa

795. FS: Magellan GPS300 (cheap!)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-13 18:45:36 UTC
From: Rick and Theresa <n6cy@earthlink.net>
Message-ID: <k1%t8.4937$L1.493392@newsread2.prod.itd.earthlink.net>
Source record: 6519

I have a perfectly working Magellan GPS300 unit that I don't need. This is a beginner/starter unit with waypoint store capability etc but no output to computer/peripherals. Runs off AA batteries. Do you have a need/application?

Asking $35 plus shipping.

TIA
Rick

796. Re: Source for a Baycom style modem.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-13 22:44:03 UTC
From: Andy Ball <ball@invalid.null>
Message-ID: <3CB8B4B3.7030803@invalid.null>
Source record: 6520

Thanks for all your suggestions!

73, Andy KB9YLW

797. Re: MFJ 1278B Manual???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-14 09:44:51 UTC
From: Kathie <bogus@bogus.nospam>
Message-ID: <a9bj2iosd1@news.chatlink.com>
Source record: 6521

When I bought mine used from a local ham store, it did not have the books. I called MFJ they sent me a replacement set for free, so do not know what they cost because of that situation. All I know is copying would be a bear as the book is about as thick as the ARRL General Class study guide and bound in the same manner.

73

"J. Duffy Beischel" <jduffy(nospam)@zoomtown.com> wrote in message news:ubg9tflrlmjs42@corp.supernews.com...
> I sold an MFJ 1278B Multi-Mode TNC to a guy but did not have a manual for it
> (think I lent it to someone and did not get it back). I told him when I
> sold it I did not have the manual, but he could sure use one.
>
> Anyone have a copy that they could possibly spare?
>
> Thanks,
>
> Duffy - WB8NUT
>
>

798. Re: MFJ 1278B Manual???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-14 20:01:29 UTC
From: Roger Basford <Basford@btinternet.com>
Message-ID: <ciA5QUAZAeu8EwZY@btinternet.com>
Source record: 6522

In message <ubg9tflrlmjs42@corp.supernews.com>, J. Duffy Beischel
<jduffy@zoomtown.com> writes
>I sold an MFJ 1278B Multi-Mode TNC to a guy but did not have a manual for it
>(think I lent it to someone and did not get it back). I told him when I
>sold it I did not have the manual, but he could sure use one.
>
>Anyone have a copy that they could possibly spare?
>
>Thanks,
>
>Duffy - WB8NUT
>
>
Duffy,

A lot of MFJ manuals are available for download from
http://www.mfjenterprises.com/manuals.php They don't list the 1278B but
maybe if you contact MFJ they might send you a copy by e-mail?

73,
--
Roger Basford

(G3VKM Norfolk, England)

799. psk31 and icom 765

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-15 05:15:46 UTC
From: "Gary M. Belcaster" <gbelcas@pressenter.com>
Message-ID: <gbelcas-93B595.00154615042002@corp.supernews.com>
Source record: 6523

I would like to avoid inputting the audio via the mic connector on the front of the rig. Can I use the modulator input on the acc jack on the back ?? Tnx in advance.

gary

800. Re: MFJ 1278B Manual???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-15 09:53:00 UTC
From: Kathie <bogus@bogus.nospam>
Message-ID: <a9e7tovlo1@news.chatlink.com>
Source record: 6524

I tried that but they did not make a PDF due to the size of the books. The hardcopy was the only action available. BTW I just created a 160 page manual that was text with simple line drawing it was 22 Megs big their book is atleast 50% bigger than than that.

73,

"Roger Basford" <Basford@btinternet.com> wrote in message news:ciA5QUAZAeu8EwZY@btinternet.com...
> In message <ubg9tflrlmjs42@corp.supernews.com>, J. Duffy Beischel
> <jduffy@zoomtown.com> writes
> >I sold an MFJ 1278B Multi-Mode TNC to a guy but did not have a manual for it
> >(think I lent it to someone and did not get it back). I told him when I
> >sold it I did not have the manual, but he could sure use one.
> >
> >Anyone have a copy that they could possibly spare?
> >
> >Thanks,
> >
> >Duffy - WB8NUT
> >
> >
> Duffy,
>
> A lot of MFJ manuals are available for download from
> http://www.mfjenterprises.com/manuals.php They don't list the 1278B but
> maybe if you contact MFJ they might send you a copy by e-mail?
>
> 73,
> --
> Roger Basford
>
> (G3VKM Norfolk, England)

801. Re: psk31 and icom 765

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-15 12:03:21 UTC
From: "Bob Lewis (AA4PB)" <rlewis@staffnet.com>
Message-ID: <ublgdm58pgd7d2@corp.supernews.com>
Source record: 6525

> I would like to avoid inputting the audio via the mic connector on
the
> front of the rig. Can I use the modulator input on the acc jack on
the
> back ?? Tnx in advance.
>
Yes. You can use the ACC(1) connector for transmit audio input as well
as a fixed level receiver audio output that will not vary with the
volume control setting. Take a look at March 2002 QST, page 31.

802. Website Update de ON1OE special SSTV

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-15 19:39:36 UTC
From: ON1OE <on1oe@amsat.org>
Message-ID: <3cbb2de2$1$6965$ba620e4c@news.skynet.be>
Source record: 6526

Hello OM,

New update from my SSTV website.

http://www.on1oe.tk

Thanks for your visite.

Regards,
Patrick ON1OE
(qrv on iLink)

803. Need documentation for TINY 320

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-16 07:51:57 UTC
From: lanturlu@excite.com
Message-ID: <3cbbd6c3.1037897@news.u-picardie.fr>
Source record: 6527

Hi.

I Want the documentation (book user) for the TNC Paccom TINY 320.

Thank you very much

remove () before the adress
or F6BXH@F6BXH.FNPP.FRA.EU

804. Kantronics KPC 9612 problem

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-16 09:28:52 UTC
From: Plop <tony.winnen@skynet.be>
Message-ID: <3cbbee29$0$8140$ba620e4c@news.skynet.be>
Source record: 6528

Hi all,

My friend ON4AKV and I have been playing around with some
Packet programs during the last weeks. We installed
Winpack - AGW 6.70 and it runs fine on 9k6 speed.
But till now we could not find any program that is able to
get the binarie files from the ON0RAT-8 bbs (satelite
pictures and virus-updates are BIN files !).
Yapp or 7PL are handled fine under the Winpack soft , but
BIN ? ? ?
I can easily switch between my old TOP or SP packet programs
and AGW to download the BIN files.
But... when my friend does the same , his Dual port modem
listen to the 9k6 signal on port 2 , and starts sending his
reply on port 1 in 1200 baud ! ! !
This strange behaviour started after he installed AGW.
Is there some instruction parameter in the Kantronics that
can be altered to make this thing act normal again ???
In TERMINAL-mode any port can be chosen and all traffic goes
to the chosen port , only in KISS-mode the KPC 9612 listens
on both ports but always reply on port 1 .
In brief : 1&#65533; How to get BIN files with AGWPE ?
2&#65533; How to make the KPC 9612 act normal again ?
Reply to this newsgroup
or if it's easier for you in French / German / Dutch send it
to : tony.winnen@skynet.be

Tnx for reading,
Tonny on1dnf

805. FS Magellan Map330

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-16 13:55:44 UTC
From: joe.gregg@ndsu.nodak.edu
Message-ID: <a9hb22vjb1@news.ndsu.nodak.edu>
Source record: 6529

I never thought to post a for sale here, but saw another guy's posting of a gps, so here goes mine too.

I have the Map330 in the box, upgraded firmware, map software and pc interface. This is a really nice gps, and I'm sure would work great for aprs or whatever it is called. I have two of these, actually, but the other has the mounting bracket and dual interface cable and would cost more in anyone wants that one.

$145 for the Map330

$170 for the Map330X (with mounting bracket and dual cable)

I'd take a dualband moble or ht in partial trade?? What have you??

806. Re: Total beginner with dumb questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-16 19:48:22 UTC
From: Christopher KA7CJH Hoffmann <ka7cjhNOSPAM@arrl.net>
Message-ID: <3cbc801d_1@news.greatbasin.net>
Source record: 6530

www.packetradio.com is the better place to find what your looking for.

chris KA7CJH

807. Good packet terminal?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-17 01:34:43 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020416213443.27904.00002717@mb-fb.aol.com>
Source record: 6531

Any good shareware packet terminals out there? I am just getting into Packet
and need something easy to use.
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Beachwood, NJ USA! Grid FM29vw
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

808. FREE APRSPoint and Microsoft MapPoint!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-17 11:26:24 UTC
From: hxc98@yahoo.com
Message-ID: <aa8577c5.0204170326.7810b78e@posting.google.com>
Source record: 6532

You can win a free copy of APRSPoint, the critically acclaimed implememntation of the latest APRS standards. Just visit http://www.aprspoint.com to enter for a chance to win the APRSPoint package which includes Microsoft MapPoint 2002 and APRSPoint license key, a $149.95 value. No purchase necessary. Visit the website for details. Thanks.

809. Re: Good packet terminal?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-17 12:38:32 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3CBD6CC8.4F6107DE@crosslink.net>
Source record: 6533

VHFRadioBuff wrote:
>
> Any good shareware packet terminals out there? I am just getting into Packet
> and need something easy to use.
> =-
> 73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
> Beachwood, NJ USA! Grid FM29vw
> http://vhfradiobuff.tripod.com
> http://edfas.tripod.com

You'll find a link to "Bucksterm" at one of the following sites. So easy
to use I'm still using it. Lots of good beginner info on these sites
too. Enjoe! K3DWW
<http://www.sedan.org/>
<http://www.packetradio.com/primer.htm>

810. Re: Good packet terminal?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-17 16:02:17 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020417120217.28403.00003062@mb-fu.aol.com>
Source record: 6534

>You'll find a link to "Bucksterm" at one of the following sites. So easy
>to use I'm still using it. Lots of good beginner info on these sites
>too. Enjoe! K3DWW

Thanks for the info. I will give it a try.
=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Beachwood, NJ USA! Grid FM29vw
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

811. Re: Good packet terminal?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-17 20:04:54 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3CBDD566.1030121C@crosslink.net>
Source record: 6535

VHFRadioBuff wrote:
>
> >You'll find a link to "Bucksterm" at one of the following sites. So easy
> >to use I'm still using it. Lots of good beginner info on these sites
> >too. Enjoe! K3DWW
>
> Thanks for the info. I will give it a try.
> =-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
> 73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
> Beachwood, NJ USA! Grid FM29vw
> http://vhfradiobuff.tripod.com
> http://edfas.tripod.com

You prolly know already but "Bucksterm" shoulda been "Buxterm". Sorry.
K3DWW

812. Packet in NYC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-18 23:00:16 UTC
From: joseph@compuhelp.com
Message-ID: <3cbf5040_2@corp-news.newsgroups.com>
Source record: 6536

Hello,

Does anyone operate packet in NYC anymore?

Any 9600 (or faster) packet?

Thanks,

Joseph R. Skoler, kc2yu
joseph@compuhelp.com

813. Re: Good packet terminal?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-19 04:52:08 UTC
From: jfenn@lava.net
Message-ID: <a9o7poolv2@mochi.lava.net>
Source record: 6537

```
Or if you have a Commodore 128 like I have you can have the
best packet software ever written. Its called Digicom128
and now freeware and was written by West Germans!!!!!1
(its so lonely using a C128 on Packet)
Joe (aka kilroy)

**************************************************
* Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
**************************************************
```

814. Re: Packet in NYC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-20 06:07:22 UTC
From: Christopher KA7CJH Hoffmann <ka7cjhNOSPAM@arrl.net>
Message-ID: <3cc105ae_1@news.greatbasin.net>
Source record: 6538

try looking at the members list at www.tapr.org many new users there.

Chris KA7CJH

815. Re: Will WinRadio give me an IF (pre discriminator) output?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-20 07:47:36 UTC
From: "k>t" <teekmatpacdotnetdotsg>
Message-ID: <uc278o6c9762f5@news.supernews.com>
Source record: 6539

The discriminator out has a 5kHz roll off if your interested. So using it
for higher modulation rates is out of the question on a stock Winradio.
The 3XXX-DSP versions apparently has the DSP on the audio only. Not on the
IF. If you are keen, why not get a Eval Board from

http://www.national.com/store/view_item/index.html?nsid=CLC-EDRCS-PCASM

choose your DSP and your on a much higher plane.

"John Ackermann N8UR" <jra@febo.com> wrote in message
news:4lcf7a.4ds.ln@24.123.66.139...
> In article <d89364bd.0203200642.7e86a0e2@posting.google.com>,
johnfofawn@hotmail.com (John) wrote:
> >Hi,
> >
> >I would like to use WinRadio or something like it for processing
> >digital signals. I would like to get an IF output (ideally digitized)
> >that I can then do signal processing on.
> >
> >What are the output options on WinRadio? Can you get IF output? If
> >not, can you get discriminator output? Or, are you limited to audio
> >output?
>
> My WinRadio (the 1000e I think -- can't remember exactly, but it was the
> current one at Hamvention last year) has a discriminator output that works
in
> the narrow FM mode. There's no direct IF tap.
>
> John N8UR
> jra@febo.com
>

816. Re: Packet in NYC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-20 10:05:33 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <N3bw8.5751$%32.3605249174@newssvr21.news.prodigy.com>
Source record: 6540

<joseph@compuhelp.com> wrote in message
news:3cbf5040_2@corp-news.newsgroups.com...
>
> Hello,
>
> Does anyone operate packet in NYC anymore?
>

Here's the NYC packet info ....

http://www.northeastflexnet.org/

The TAPR info is about five-ten years out of date. Don't bother.

Charles, N5PVL

817. Re: Packet in NYC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-20 10:36:28 UTC
From: joseph@compuhelp.com
Message-ID: <3cc144e6$1_4@corp-news.newsgroups.com>
Source record: 6541

Thanks, but that was the first place I looked.

The info there is all several years old, and I see no mention of
users/groups/usage in specific areas.

"Christopher KA7CJH Hoffmann" <ka7cjhNOSPAM@arrl.net> wrote in message
news:3cc105ae_1@news.greatbasin.net...
> try looking at the members list at www.tapr.org many new users there.
>
>
> Chris KA7CJH
>
>

818. Re: Packet in NYC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-20 10:44:26 UTC
From: joseph@compuhelp.com
Message-ID: <3cc146c4$1_4@corp-news.newsgroups.com>
Source record: 6542

Wow, last info here appears to be about a year old.

What are people doing in packet around here -- seems there are still
1200baud connections, but that's mighty slow.

"charlesb" <n5pvl@sbcglobal.net> wrote in message
news:N3bw8.5751$%32.3605249174@newssvr21.news.prodigy.com...
>
> <joseph@compuhelp.com> wrote in message
> news:3cbf5040_2@corp-news.newsgroups.com...
> >
> > Hello,
> >
> > Does anyone operate packet in NYC anymore?
> >
>
> Here's the NYC packet info ....
>
> http://www.northeastflexnet.org/
>
> The TAPR info is about five-ten years out of date. Don't bother.
>
> Charles, N5PVL
>
>
>

819. Re: Will WinRadio give me an IF (pre discriminator) output?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-20 14:46:35 UTC
From: johnfofawn@hotmail.com
Message-ID: <d89364bd.0204200646.2ebfb3ee@posting.google.com>
Source record: 6543

Thanks for the tip.

I did buy a Winradio 3150e. This is the external version. I had to buy
it because it's nearly impossible to find a 2+ Ghz computer that still
has ISA slots. I don't know what the people at Winradio are thinking
by not having a PCI product.

Anyway, I got the radio. Nice packaging. Decent software. Horrible
performance. Lots of images, terrible de-sensitization, poor audio
quality. For $2000 I expected a lot more. My $400 Bearcat scanner
sounds better than the Winradio.

I returned it a week later.

John

"k>t" <teekmatpacdotnetdotsg> wrote in message news:<uc278o6c9762f5@news.supernews.com>...
> The discriminator out has a 5kHz roll off if your interested. So using it
> for higher modulation rates is out of the question on a stock Winradio.
> The 3XXX-DSP versions apparently has the DSP on the audio only. Not on the
> IF. If you are keen, why not get a Eval Board from
>
> http://www.national.com/store/view_item/index.html?nsid=CLC-EDRCS-PCASM
>
> choose your DSP and your on a much higher plane.
>
> "John Ackermann N8UR" <jra@febo.com> wrote in message
> news:4lcf7a.4ds.ln@24.123.66.139...
> > In article <d89364bd.0203200642.7e86a0e2@posting.google.com>,
> johnfofawn@hotmail.com (John) wrote:
> > >Hi,
> > >
> > >I would like to use WinRadio or something like it for processing
> > >digital signals. I would like to get an IF output (ideally digitized)
> > >that I can then do signal processing on.
> > >
> > >What are the output options on WinRadio? Can you get IF output? If
> > >not, can you get discriminator output? Or, are you limited to audio
> > >output?
> >
> > My WinRadio (the 1000e I think -- can't remember exactly, but it was the
> > current one at Hamvention last year) has a discriminator output that works
> in
> > the narrow FM mode. There's no direct IF tap.
> >
> > John N8UR

> > jra@febo.com
> >

820. Re: Packet in NYC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-21 08:14:37 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnac4t7d.ach.nomail@linux.pe1chl.ampr.org>
Source record: 6544

joseph@compuhelp.com <joseph@compuhelp.com> wrote:

>Wow, last info here appears to be about a year old.

>What are people doing in packet around here -- seems there are still
>1200baud connections, but that's mighty slow.

That is the normal situation in amateur packet.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

821. Re: Packet in NYC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-21 12:52:19 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <7Cyw8.3660$Fp7.1899263163@newssvr14.news.prodigy.com>
Source record: 6545

<joseph@compuhelp.com> wrote in message
news:3cc146c4$1_4@corp-news.newsgroups.com...
>
> > http://www.northeastflexnet.org/
>
> Wow, last info here appears to be about a year old.
>
> What are people doing in packet around here -- seems there are still
> 1200baud connections, but that's mighty slow.
>

I guess the network maps didn't work for you... When I looked at them, there were the 19.2 and 9.6kb stuff, plain as day.

You must be totally unfamiliar with packet, if you are amazed to find 1.2kb stuff.

I'll also note that you do not appear to be genuinely interested in operating or participating in packet, but in "dissing" it, instead.

My guess is that you are one of New York's old LandLine Lid community, displaced when hams up there went back to using amateur radio, a few years ago. - It all seems so pointless to you, when hams use radio to communicate.

You don't really care about operating packet in New York... You just want to bitch.

I used to have a girlfriend like that. If I had known that you were a sniveling whiner, I wouldn't have bothered to answer your post...

Well, I know now. You're just another troll.

73 DE Charles, N5PVL

822. Re: Packet in NYC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-21 13:03:21 UTC
From: John K Scoggin <aat3bf@conectiv.com>
Message-ID: <a9udd101ile@enews3.newsguy.com>
Source record: 6546

I don't know about the amateur 2m packet in the area, but Army and Air Force
MARS
have a functional VHF packet backbone from Maine to Washington DC. And it
is
growing! We also have an active HF PACTOR network (finally starting to
replace our
old HF Packet).

- john
N3SKO/AAT3BF/AAM3O/AAA9AC

"charlesb" <n5pvl@sbcglobal.net> wrote in message
news:7Cyw8.3660$Fp7.1899263163@newssvr14.news.prodigy.com...
>
> <joseph@compuhelp.com> wrote in message
> news:3cc146c4$1_4@corp-news.newsgroups.com...
> >
> > > http://www.northeastflexnet.org/
> >
> > Wow, last info here appears to be about a year old.
> >
> > What are people doing in packet around here -- seems there are still
> > 1200baud connections, but that's mighty slow.
> >
>
> I guess the network maps didn't work for you... When I looked at them,
there
> were the 19.2 and 9.6kb stuff, plain as day.
>
> You must be totally unfamiliar with packet, if you are amazed to find
1.2kb
> stuff.
>
> I'll also note that you do not appear to be genuinely interested in
> operating or participating in packet, but in "dissing" it, instead.
>
> My guess is that you are one of New York's old LandLine Lid community,
> displaced when hams up there went back to using amateur radio, a few years
> ago. - It all seems so pointless to you, when hams use radio to
communicate.
>
> You don't really care about operating packet in New York... You just want
to
> bitch.
>

> I used to have a girlfriend like that. If I had known that you were a
> sniveling whiner, I wouldn't have bothered to answer your post...
>
> Well, I know now. You're just another troll.
>
> 73 DE Charles, N5PVL
>
>

823. FS: TAPR Wireless Digital Comms book

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-21 22:54:00 UTC
From: Brett <bmellor@verizon.net>
Message-ID: <cqHw8.10457$uV.6047@nwrddc01.gnilink.net>
Source record: 6547
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.digital

For Sale: Wireless Digital Communications by Tom McDermott, N5EG
Published by the Tuscon Amateur Packet Radio Association (TAPR)

Not doing much digital amateur radio lately, so thought I'd get this book into the hands of someone who can use it. TAPR sells it new for $40.00, you can have this one in like-new condition for $29. I'll pay shipping in the U.S. I don't have the disk that came with book but you can get all the updated files for free from the TAPR website anyway. Full details from TAPR: http://www.tapr.org/tapr/html/Fpub.wdcdat.html

Brett - KD1ZF

bmellor at
verizon dot
net

824. Re: Packet in NYC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-22 11:04:50 UTC
From: joseph@compuhelp.com
Message-ID: <3cc3ee89_1@corp-news.newsgroups.com>
Source record: 6548

You sure are predisposed to judge people -- incorrectly.

FYI, I was very active in packet a bunch of years ago and am interested in getting back in.

I feel sorry for you that you've had such bad experiences with people that you've become a cynical, condemning buffoon -- in public no less..

Write all you want, it will be ignored.....

"charlesb" <n5pvl@sbcglobal.net> wrote in message news:7Cyw8.3660$Fp7.1899263163@newssvr14.news.prodigy.com...
>
> <joseph@compuhelp.com> wrote in message
> news:3cc146c4$1_4@corp-news.newsgroups.com...
> >
> > > http://www.northeastflexnet.org/
> >
> > Wow, last info here appears to be about a year old.
> >
> > What are people doing in packet around here -- seems there are still
> > 1200baud connections, but that's mighty slow.
> >
>
> I guess the network maps didn't work for you... When I looked at them, there
> were the 19.2 and 9.6kb stuff, plain as day.
>
> You must be totally unfamiliar with packet, if you are amazed to find 1.2kb
> stuff.
>
> I'll also note that you do not appear to be genuinely interested in
> operating or participating in packet, but in "dissing" it, instead.
>
> My guess is that you are one of New York's old LandLine Lid community,
> displaced when hams up there went back to using amateur radio, a few years
> ago. - It all seems so pointless to you, when hams use radio to communicate.
>
> You don't really care about operating packet in New York... You just want to
> bitch.
>
> I used to have a girlfriend like that. If I had known that you were a

> sniveling whiner, I wouldn't have bothered to answer your post...
>
> Well, I know now. You're just another troll.
>
> 73 DE Charles, N5PVL
>
>

825. RIGBASTER BACKUP/SERVICE

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-22 12:56:23 UTC
From: Neil Barrowman <rn822706@ntlworld.com>
Message-ID: <SLTw8.9909$A43.2563819@news11-gui.server.ntli.net>
Source record: 6549

I HAD A VERY OBSCURE PROBLEM WITH RIGBLASTER UNIT WHICH HAD WORKED OK WITH KENWOOD TS2000 FOR 5 MONTHS THE N WOULD NOT "RECOGNISE" ANY COMPORT ON MY P.C.---SENT E-MAIL TO WESTMOUNTAIN RADIO WITH DESCRIPTION-ALL SYMPTOMS AND HOW CONNECTED -ON 16 TH APRIL. SET UP STILL WORKED IN VOX MODE(WHICH I DO NOT LIKE--SETTINGS TOO FUSSY) AFTER ONE OR TWO QUESTIONS AND ANSWERS-BY E-MAIL THEY SUGGESTED THAT THEY COULD BETTER DIAGNOSE THECAUSE OF THE PROBLEM IF THE Y PHONED ME WHILE IM IN MY SHACK---IN GLASGOW, SCOTLAND--BELIEVE IT !! HOWEVER WHEN I LATER INFORMED THEM THAT IHAD BORROWED ANOTHER RIGBLASTER --ALSO ORIGINALLY SCOURCED FROM U.S. THEY ASKED FOR CONFIRMATION OF MY ADDRESS AS THEY HAD DECIDED TO REPLACE MY DEFECTIVE BOARD. SO TODAY MONDAYAPRIL IT ARRIVED AIRMAIL AND IVE JUST FINISHED REPLACING IT AND EVERYTHING WORKS JUST DANDY. DULL MARKS TO DELL SCHIER'S CREW AT WEST MOUNTAIN RADIO FOR THEIR
REAL HELPFULL NO QUIBBLE ATTITUDE .I'LL
CONTINUE RECOMMEND THEIR PRODUCTAND SERVICE -ON THIS SIDE OF THE POND.
I LOVE PSK31 BY THE WAY 73 DE GM0LTQ

826. W95SSTV Problem.. No recieve pics

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-22 18:09:44 UTC
From: edgrimly@hotmail.com
Message-ID: <bfc05d2.0204221009.3b97c6e9@posting.google.com>
Source record: 6550

Hello..
I am a SSTV Newbie.
NSS

I installed W95SSTV and hooked up my headphone out (radio) to my line in (computer) and I can hear the radio thru my computer speakers. When I first turn on W95SSTV (sometimes) I get movement in the spectrum window and an indication in the other field of the field strength.
One I hit "Recieve" to get a picture that is coming on the air the field strength locks up and there are no more green squiggly lines showing me spectrum. Needless to say I have not recieved a picture with it yet.
I did recieve a "white noise" picture once, but only once.

If you can point me in the right direction or tell me what I am doing wrong, Please do so...

Thanks soo much

Ed

827. Re: RIGBASTER BACKUP/SERVICE

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-22 18:32:59 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnac8lqr.o16.nomail@linux.pe1chl.ampr.org>
Source record: 6401

Neil Barrowman <rn822706@ntlworld.com> wrote:
>I HAD A VERY OBSCURE PROBLEM WITH RIGBLASTER UNIT WHICH HAD WORKED OK WITH

You also have a problem with your keyboard!
Hopefully it is less obscure.

Rob
--
+--------------------------------+-------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+-------------------------------------+

828. Re: W95SSTV Problem.. No recieve pics

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-22 23:34:15 UTC
From: J <jca1954@iprimus.com.au>
Message-ID: <3cc49e03$1_1@news.iprimus.com.au>
Source record: 6402

It's possible the LINE IN audio level is too low (I use the TAPE OUT jack
at the rear, it's level is independent of the AG Gain)
I can also suggest you use the program MMSSVT for the reception of SSTV.
"Ed Grimly" <edgrimly@hotmail.com> wrote in message
news:bfc05d2.0204221009.3b97c6e9@posting.google.com...
> Hello..
> I am a SSTV Newbie.
> NSS
>
> I installed W95SSTV and hooked up my headphone out (radio) to my line
> in (computer) and I can hear the radio thru my computer speakers.
> When I first turn on W95SSTV (sometimes) I get movement in the
> spectrum window and an indication in the other field of the field
> strength.
> One I hit "Recieve" to get a picture that is coming on the air the
> field strength locks up and there are no more green squiggly lines
> showing me spectrum. Needless to say I have not recieved a picture
> with it yet.
> I did recieve a "white noise" picture once, but only once.
>
> If you can point me in the right direction or tell me what I am doing
> wrong, Please do so...
>
> Thanks soo much
>
> Ed

829. Need help with pacterm 98

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-23 01:44:30 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020422214430.19452.00004119@mb-fw.aol.com>
Source record: 6403

I am using Pacterm 98 with a KPC-3 TNC. I am trying to connect to the local packet BBS but I am getting a "retry count exceeded" error... I am not real familiar with the software or even packet in general. Can anyone offer some advice on what I might be doing wrong?

=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-

73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Beachwood, NJ USA! Grid FM29vw
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

830. Re: Need help with pacterm 98

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-23 02:10:09 UTC
From: Rick Ruhl <ricker@cssincorp.com>
Message-ID: <uc9gl1qep9tsa5@corp.supernews.com>
Source record: 6404

I dont see you as a registered user. If you registered the software, we could give you direct support.

Rick - W4PC
http://www.cssincorp.com/pacterm

"VHFRadioBuff" <vhfradiobuff@aol.comspamsux> wrote in message news:20020422214430.19452.00004119@mb-fw.aol.com...
> I am using Pacterm 98 with a KPC-3 TNC. I am trying to connect to the local
> packet BBS but I am getting a "retry count exceeded" error... I am not real
> familiar with the software or even packet in general. Can anyone offer some
> advice on what I might be doing wrong?
> =-
> 73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
> Beachwood, NJ USA! Grid FM29vw
> http://vhfradiobuff.tripod.com
> http://edfas.tripod.com

831. Re: Need help with pacterm 98

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-23 02:32:36 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020422223236.07783.00004874@mb-mp.aol.com>
Source record: 6405

>I dont see you as a registered user. If you registered the software, we
>could give you direct support.

That's why I'm posting here. I won't buy the program until I understand how to use it and how to get onto the local packet BBS.

Anyone out there want to help me? I'm using HyperTerminal now and I am making some progress, although I can't get onto the packet BBS... I am able to get into my own mailbox though...
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Beachwood, NJ USA! Grid FM29vw
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

832. Packet "calling" freqs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-23 02:33:47 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020422223347.07783.00004875@mb-mp.aol.com>
Source record: 6406

Hello all. I am new to packet. I just got my antenna up today and I am eager to get started. I have been unsuccessful in logging into the local packet BBS. I was wondering if I should monitor that frequency (145.030) for activity, even if it's not the BBS or is there somewhere else I should listen?
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Beachwood, NJ USA! Grid FM29vw
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

833. Questions about KPC-3

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-23 03:10:01 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020422231001.07783.00004881@mb-mp.aol.com>
Source record: 6407

I am new to packet and I am trying to connect to my local PBBS. I have a KPC-3 TNC. Whenever I try to connect, I get the "retry count exceeded" message. According to the troubleshooting part of the manual, it tells me to turn the squelch to off and see if the RCV LED comes on. It doesn't. It goes on to say that if it doesn't go on that the audio connection should be re-checked, which I plan on doing.

It goes further to state that if I monitor the freq with another radio and I hear no audio, I should increase the AFSK output by adjusting R-13. I did this and I still hear no audio, only the radio keying up (this is also evidenced by watching my power meter).

Any thoughts on how I can get this thing to work?
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Beachwood, NJ USA! Grid FM29vw
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

834. Re: Packet in NYC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-23 04:01:50 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <8uk9cu46d1gg4nv6q33cdifbkj5cqdqgsb@4ax.com>
Source record: 6408

On Sat, 20 Apr 2002 06:44:26 -0400, <joseph@compuhelp.com> wrote:

>What are people doing in packet around here -- seems there are still
>1200baud connections, but that's mighty slow.

1200 bit/s is quite usable for APRS and sending DX-spots and one line
messages through DX-clusters using any unmodified radio.

Not very practical for anything else :-).

Paul OH3LWR

835. Re: Need help with pacterm 98

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-23 13:10:28 UTC
From: Rick Ruhl <ricker@cssincorp.com>
Message-ID: <ucanasptaocsff@corp.supernews.com>
Source record: 6409

Pacterm is working fine, you've done everything correctly from a software to TNC standpoint. Sounds like you have wiring problem from your TNC to the radio with the information other message you left in this newsgroup. Might want to check with Ken Baker at Kantronics (service@kantronics.com). He can help you out with your wiring issue.

Rick - W4PC
http://www.cssincorp.com/pacterm

"VHFRadioBuff" <vhfradiobuff@aol.comspamsux> wrote in message news:20020422223236.07783.00004874@mb-mp.aol.com...
> >I dont see you as a registered user. If you registered the software, we
> >could give you direct support.
>
> That's why I'm posting here. I won't buy the program until I understand how to
> use it and how to get onto the local packet BBS.
>
> Anyone out there want to help me? I'm using HyperTerminal now and I am making
> some progress, although I can't get onto the packet BBS... I am able to get
> into my own mailbox though...
> =-
> 73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
> Beachwood, NJ USA! Grid FM29vw
> http://vhfradiobuff.tripod.com
> http://edfas.tripod.com

836. Re: Need help with pacterm 98

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-23 14:22:23 UTC
From: Bob <robert.fay@unisys-nospam.com>
Message-ID: <aa3qmv$15lc$1@si05.rsvl.unisys.com>
Source record: 6410

Check your wiring. Make sure the TX and PTT circuits are correct. For the
correct wiring see this link.
http://freeweb.pdq.net/medcalf/ztx/wire/index.html

Bob, WC0D

"VHFRadioBuff" <vhfradiobuff@aol.comspamsux> wrote in message
news:20020422214430.19452.00004119@mb-fw.aol.com...
> I am using Pacterm 98 with a KPC-3 TNC. I am trying to connect to the
local
> packet BBS but I am getting a "retry count exceeded" error... I am not
real
> familiar with the software or even packet in general. Can anyone offer
some
> advice on what I might be doing wrong?
> =-
> 73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
> Beachwood, NJ USA! Grid FM29vw
> http://vhfradiobuff.tripod.com
> http://edfas.tripod.com

837. Alpha Testers for new APRS Software

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-23 15:12:23 UTC
From: K1QN <k1qn@cox.net>
Message-ID: <rRex8.16375$3C4.163372@news1.east.cox.net>
Source record: 6411
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.packet,rec.radio.amateur.space

I'm writing my own windows program for APRS. At the moment, it's a bit primative, but it's a big step up from dumb terminal programs, and a sight cheaper than WinAPRS.

Features:

Split window communications with TNC.
Beacon message initiated from PC or TNC, allowing fixed operation.
Fixed or mobile modes.
AEA, Kantronics, Kenwood DC, MFJ, and Pico TNC's supported

I will soon parse the received text. I'll filter or highlight text based on originating callsign. This will be useful for use with the ISS station, and PCSat. If there's interest, I can use maps and/or open the "findu" page on mouse command.

I may also incorporate a satellite tracker to alert the user of passes.

If you're interrested, please email me at k1qn@cox.net, and I'll email the executable back to you as an enclosure. It's about 250K, and 125K zipped. Please specify if you want the zipped version.

The usual disclaimer: For the time being, it's free. Use at your own risk.

Al, K1QN

838. Re: WinLink, PTC-IIe, and 706MKIIG

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-23 15:35:54 UTC
From: KG5SR <hdevaney@houston.rr.com>
Message-ID: <ubfx8.3568$g72.172256@typhoon.austin.rr.com>
Source record: 6412
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,alt.ham-radio.packet

I heard somewhere that the SCS PTC-II pro wouldn't control some 706 models?
So it would be cheaper to add another serial port to the laptop?
Hal KG5SR

"S. Miller" <stemp-removethis-@gstarusa.com> wrote in message
news:3CAE3ACA.D821CA13@gstarusa.com...
>
> You do not need to play with the radio's 'tone' and 'shift' settings for
AFSK,
> these are used for FSK only. If you are using the AirMail v3 software you
really
> don't need to play with much of anything on the radio, most everything is
easily
> set up from the 'Options' menu in the AirMail software.
>
> Also, I assume that you realize that when using a PTC-IIe you will need a
second
> serial port on your PC if you want to have the AirMail software
automatically
> set the operating frequency for you.
>
> On the plus side, once you get everything set up I believe you will find
that
> the 706 and the PTC-IIe make a great combination.
>
>
>
> Dunc Fowler wrote:
>
> > I am trying to set my 706 MK2G to interface with my SCS PTC IIe modem to
use
> > with WinLink to use the 706 in a split AFSK mode with Pactor II..
> > The setup instructions that are with WinLink are either not clear, or
have
> > been written for an earlier version of the 706.
> >
> > I have installed the 500hz FL100 filter as well as the High Stability
> > Crystal as has been recommended.
> >
> > The radio settings instructions from WinLink say in part:
> > "To set up the split ("AFSK")mode, first select the radio's RTTY mode,
then
> > go to the radio's Quick Set Mode ... and set Q@ RTTY TONE to 2125, and

Q#
> > RTTY SHIFT to 200. Then get into Set mode ... " (and this is where I
get
> > lost), "be sure that "transceiver" mode (item 27) is set, and set baud
rate
> > (item 26) to 19200 baud rather than "auto"
> >
> > My problem is that Item 27 in my set mode is "A-TUNE STRT" for starting
the
> > auto tuner, and Item 26 is "PWR ON CHK" for causing the power on check.
> >
> > The only place where I have an "auto" choice is item 35, "CI-V BAUD I
don't
> > think this is what the directions were referring to.
> >
> > I don't see any choices for putting "transceiver" as "set".
> >
> > Any thoughts on this?
>

839. Re: Need help with pacterm 98

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-23 17:04:21 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020423130421.25222.00005288@mb-ci.aol.com>
Source record: 6413

>Pacterm is working fine, you've done everything correctly from a software to
>TNC standpoint. Sounds like you have wiring problem from your TNC to the
>radio with the information other message you left in this newsgroup. Might
>want to check with Ken Baker at Kantronics (service@kantronics.com). He can
>help you out with your wiring issue.

That's what I've figured too.. looks like there's a problem with the audio
wire.. gonna have to check to be sure it's wired correctly.
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Beachwood, NJ USA! Grid FM29vw
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

840. Commerical TNC cable for KPC-3 to Yaesu FT-1500?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-23 17:06:07 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020423130607.25222.00005289@mb-ci.aol.com>
Source record: 6414

Does anyone know if there's a commercially available cable to hook my KPC-3 to
my Yaesu FT-1500 dataport?
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Beachwood, NJ USA! Grid FM29vw
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

841. Re: W95SSTV Problem.. No recieve pics

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-23 17:22:40 UTC
From: KA9CAR <nospam@nospam.usa>
Message-ID: <aa454t$1cmk$1@news1.tribune.com>
Source record: 6415

Perhaps...

In your sound mixer software, (volume control?) there are two different
screens for setting controls. The ones that come up by default are the
PLAYBACK controls.
By clicking on Properties, you can switch to RECORD controls.
Check to make sure the correct input is active, and others are not.
KA9CAR

Ed Grimly <edgrimly@hotmail.com> wrote in message
news:bfc05d2.0204221009.3b97c6e9@posting.google.com...
> Hello..
> I am a SSTV Newbie.
> NSS
>
> I installed W95SSTV and hooked up my headphone out (radio) to my line
> in (computer) and I can hear the radio thru my computer speakers.
> When I first turn on W95SSTV (sometimes) I get movement in the
> spectrum window and an indication in the other field of the field
> strength.
> One I hit "Recieve" to get a picture that is coming on the air the
> field strength locks up and there are no more green squiggly lines
> showing me spectrum. Needless to say I have not recieved a picture
> with it yet.
> I did recieve a "white noise" picture once, but only once.
>
> If you can point me in the right direction or tell me what I am doing
> wrong, Please do so...
>
> Thanks soo much
>
> Ed

842. Re: Commerical TNC cable for KPC-3 to Yaesu FT-1500?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-23 18:02:13 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3CC5A1A5.11DA67A0@crosslink.net>
Source record: 6416

VHFRadioBuff wrote:
>
> Does anyone know if there's a commercially available cable to hook my KPC-3 to
> my Yaesu FT-1500 dataport?

Sure;

<http://www.packetradio.com/Radio-TNC_Wiring_Diagrams.htm>

<http://www.mfjenterprises.com/products.php?catid=23>

843. Re: Packet "calling" freqs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-23 18:58:33 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0204231857190.24606-100000@exp.bde-arc.ampr.org>
Source record: 6417

On 23 Apr 2002, VHFRadioBuff wrote:
>Hello all. I am new to packet. I just got my antenna up today and I am eager to
>get started. I have been unsuccessful in logging into the local packet BBS. I
>was wondering if I should monitor that frequency (145.030) for activity, even
>if it's not the BBS or is there somewhere else I should listen?

The answer of frequency may vary according to where you are.

Whichever frequency is assigned to "keyboard to keyboard" in your area is
probably what you want. Some areas do have packet bandplans which differ from
the national one.

844. Re: Packet "calling" freqs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-23 19:20:03 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020423152003.25310.00005418@mb-ci.aol.com>
Source record: 6418

>Whichever frequency is assigned to "keyboard to keyboard" in your area is
>probably what you want. Some areas do have packet bandplans which differ
>from
>the national one.

I am not sure if that exists here. Is there a national band plan for packet
freq's?
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Beachwood, NJ USA! Grid FM29vw
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

845. Re: Packet "calling" freqs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-23 19:48:42 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0204231943040.24656-100000@exp.bde-arc.ampr.org>
Source record: 6419

On 23 Apr 2002, VHFRadioBuff wrote:
>>Whichever frequency is assigned to "keyboard to keyboard" in your area is
>>probably what you want. Some areas do have packet bandplans which differ
>>from
>>the national one.
>
>I am not sure if that exists here. Is there a national band plan for packet
>freq's?

The closest thing we have to one is what the ARRL publishes in their repeater guide (in the bandplan section) and again in their "Operating Manual" (chapter 10 - Packet).

For VHF, neither really prescribes the content of a packet channel - only the frequencies which are commonly dedicated as packet channels.

846. Icom PCR-1000, UT-106 and Icom Software with WinXP

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-23 21:44:42 UTC
From: Harry <hflaxman@nospam.neb.rr.com>
Message-ID: <3CC5D5CA.3040408@nospam.neb.rr.com>
Source record: 6420

Has anyone succeeded in getting Icom's software to work with the above combination. The software was working until I installed the UT-106. Now, it bombs and the program I'm using is scancat. It works properly with the receiver, but I'd like to have the Icom interface back.

Thanks in advance.

Harry

847. Re: Icom PCR-1000, UT-106 and Icom Software with WinXP

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-24 02:02:52 UTC
From: artie <silli_artie@hotmail.com>
Message-ID: <230420021902522802%silli_artie@hotmail.com>
Source record: 6421

[[This message was both posted and mailed: see
the "To," "Cc," and "Newsgroups" headers for details.]]

In article <3CC5D5CA.3040408@nospam.neb.rr.com>, Harry
<hflaxman@nospam.neb.rr.com> wrote:

>Has anyone succeeded in getting Icom's software to work with the above
>combination. The software was working until I installed the UT-106.
>Now, it bombs and the program I'm using is scancat. It works properly
>with the receiver, but I'd like to have the Icom interface back.
>
>Thanks in advance.
>
>Harry

Harry--

You might check out the PCR-1000 mailing list, at:

http://mailman.qth.net/mailman/listinfo/pcr-1000

848. Re: Icom PCR-1000, UT-106 and Icom Software with WinXP

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-24 03:53:06 UTC
From: Harry Flaxman <hflaxman@neb.rr.com>
Message-ID: <3CC62C05.7000605@neb.rr.com>
Source record: 6422

Artie,

Will do. Have subscribed.....thanks! Hopefully might get an answer
there. Thanks for the resource!

Harry

artie wrote:

>[[This message was both posted and mailed: see
> the "To," "Cc," and "Newsgroups" headers for details.]]
>
>In article <3CC5D5CA.3040408@nospam.neb.rr.com>, Harry
><hflaxman@nospam.neb.rr.com> wrote:
>
>>Has anyone succeeded in getting Icom's software to work with the above
>>combination. The software was working until I installed the UT-106.
>>Now, it bombs and the program I'm using is scancat. It works properly
>>with the receiver, but I'd like to have the Icom interface back.
>>
>>Thanks in advance.
>>
>>Harry
>>
>
>Harry--
>
>You might check out the PCR-1000 mailing list, at:
>
>
> http://mailman.qth.net/mailman/listinfo/pcr-1000
>

849. Re: Packet "calling" freqs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-24 08:39:25 UTC
From: Cathryn Mataga <cathryn@junglevision.com>
Message-ID: <3CC66F3D.4070304@junglevision.com>
Source record: 6423

VHFRadioBuff wrote:
>>Whichever frequency is assigned to "keyboard to keyboard" in your area is
>>probably what you want. Some areas do have packet bandplans which differ
>>from
>>the national one.
>
>
> I am not sure if that exists here. Is there a national band plan for packet
> freq's?

I believe keyboard around here, SF Bay area, is 145.05. The ARRL national band plan, last I looked, was pretty strange. With all kinds of space allocated to linear transponders that never got built. Maybe they've fixed it.

850. Re: Packet "calling" freqs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-25 10:24:50 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <SPQx8.1193$3G5.636338381@newssvr21.news.prodigy.com>
Source record: 6424

The url I gave the guy had the locations of the nodes listed, along with the access freqs, etc.. What else could he possibly need?

Charles, N5PVL

"D. Stussy" <kd6lvw@bde-arc.ampr.org> wrote in message news:Pine.LNX.4.44.0204231943040.24656-100000@exp.bde-arc.ampr.org...
> On 23 Apr 2002, VHFRadioBuff wrote:
> >>Whichever frequency is assigned to "keyboard to keyboard" in your area is
> >>probably what you want. Some areas do have packet bandplans which differ
> >>from
> >>the national one.
> >
> >I am not sure if that exists here. Is there a national band plan for packet
> >freq's?
>
> The closest thing we have to one is what the ARRL publishes in their repeater
> guide (in the bandplan section) and again in their "Operating Manual" (chapter
> 10 - Packet).
>
> For VHF, neither really prescribes the content of a packet channel - only the
> frequencies which are commonly dedicated as packet channels.
>

851. HF multipath and digital

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-25 12:51:16 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <8ZSx8.2398$DO4.526579874@newssvr13.news.prodigy.com>
Source record: 6425

I was reading about wireless internet equipment dealing with multipath by locking on each multiple and running the results through a voting system. This system is said to take advantage of multipath conditions to boost speed/reliability instead of allowing the out of phase signals to cancel each other out and reduce your throughput.

Does anybody do that on HF yet? Just curious. Sounds like a good deal.

Charles, N5PVL

852. Re: HF multipath and digital

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-25 23:33:32 UTC
From: haynes@alumni.uark.edu
Message-ID: <gn0y8.4790$iU4.392810@newsread2.prod.itd.earthlink.net>
Source record: 6426

I believe the technique used with wireless was actually pioneered at HF,
in a system called RAKE at MIT. I've heard a speaker talking about
wireless talk about "RAKE fingers" and that's what he was talking about.
Of course the late 1950s implementation took an awful lot of hardware.

I don't know if it ever became very practical at HF.

853. Re: Packet "calling" freqs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-26 00:22:08 UTC
From: vhfradiobuff@aol.com
Message-ID: <5e5fccab.0204251622.59916c33@posting.google.com>
Source record: 6427

"charlesb" <n5pvl@sbcglobal.net> wrote in message
news:<SPQx8.1193$3G5.636338381@newssvr21.news.prodigy.com>...
> The url I gave the guy had the locations of the nodes listed, along with the
> access freqs, etc.. What else could he possibly need?
>
> Charles, N5PVL

What URL? You never posted any URL.

854. WYSE terminal and pk88

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-26 01:27:09 UTC
From: Leonard Foard <lfoard@bak.rr.com>
Message-ID: <N12y8.57336$VQ2.34243626@twister.socal.rr.com>
Source record: 6428

It has been a long time since I used packet and now have the chance to get back to it. However, I am having a problem and am hoping someone else may have the same equipment as I do.
I am using the pk-88 and have a WYSE model 60 dumb terminal. When I power up the works, I get to the command prompt from the TNC. I have already entered my call as instructed by the pk88 manual. What I don't understand is, are the default settings in the pk88 what I should be using? I see the dcd led light up when I get a signal, but nothing is showin up on the screen. I read the manual and believe that if I can read the tnc and send commands to it, that I should see something come on the screen even if garbage. I set to mon 4 and still see nothing. Can someone help. Thanks

855. Re: Packet "calling" freqs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-26 03:34:31 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <bV3y8.1743$tp5.863995034@newssvr21.news.prodigy.com>
Source record: 6429

"vhfradiobuff" <vhfradiobuff@aol.com> wrote in message
news:5e5fccab.0204251622.59916c33@posting.google.com...
> "charlesb" <n5pvl@sbcglobal.net> wrote in message
news:<SPQx8.1193$3G5.636338381@newssvr21.news.prodigy.com>...
> > The url I gave the guy had the locations of the nodes listed, along with
the
> > access freqs, etc.. What else could he possibly need?
> >
> > Charles, N5PVL
>
> What URL? You never posted any URL.

This one.

>
> > http://www.northeastflexnet.org/
>
Charles, N5PVL

856. Re: WYSE terminal and pk88

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-26 03:37:05 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <BX3y8.1745$HG5.865122433@newssvr21.news.prodigy.com>
Source record: 6430

I had this happen about 15 years ago, with the same setup. It sweems like I
fixed it by fooling around with the terminal settings. Hope this helps,
thats about all I can remember.

Good luck!

Charles, N5PVL

"Leonard Foard" <lfoard@bak.rr.com> wrote in message
news:N12y8.57336$VQ2.34243626@twister.socal.rr.com...
> It has been a long time since I used packet and now have the chance to get
> back to it. However, I am having a problem and am hoping someone else may
> have the same equipment as I do.
> I am using the pk-88 and have a WYSE model 60 dumb terminal. When I power
up
> the works, I get to the command prompt from the TNC. I have already
entered
> my call as instructed by the pk88 manual. What I don't understand is, are
> the default settings in the pk88 what I should be using? I see the dcd led
> light up when I get a signal, but nothing is showin up on the screen. I
read
> the manual and believe that if I can read the tnc and send commands to it,
> that I should see something come on the screen even if garbage. I set to
mon
> 4 and still see nothing. Can someone help. Thanks
>
>

857. Good TNC For Mobile APRS?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-26 06:43:46 UTC
From: Douglas Gavilanes <gavilan1@earthlink.net>
Message-ID: <3CC8F795.6307FA6E@earthlink.net>
Source record: 6431
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

I am currently struggling with a Pac-Comm Tiny-2 TNC that seemed to work fine for about 3 months, save for occasional random eEprom resets back to default settings. Now it seems that the TNC sits for days sending my location as WAITING FOR GPS DATA. I believe that everything is set properly, but it still doesn't ever accept data from the GPS. The baud rate is correct, the GPS and serial cable are tested fine, the TNC RS232 port works fine with the PC at the same baud rate as the GPS, but I haven't been sending good position data for over a month. Pac-Comm tells me that spikes in my auto electrical can reset the TNC, but this TNC randomly resets even with the vehicle off and parked. Any little bump can also cause the TNC to reset, so obviously there's a shock issue, but even when it's standing still, and I've reprogrammed the TNC for active APRS, the unit refuses to update the LTEXT sentence, and resets after 10 to 20 minutes. Has anyone seen this before? Some folks around here have mentioned in passing that the Pac-Comms are known for random resets, but what TNC do most folks use out there for APRS, and are there any power supply issues similar to what I'm seeing? I've used Tiny-2 TNCs for years for regular packet, and never had a single problem (on AC power, of course). Using them in a mobile app. is another story. What baffles me is that I did get at least three relatively good months from the TNC before this unidentified problem.

TIA,

Doug, N6XQY

858. sound card programming - looking for good books, references

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-26 07:54:53 UTC
From: Gerard Brach <gab36@bigpond.com>
Message-ID: <oD7y8.49390$uR5.115511@newsfeeds.bigpond.com>
Source record: 6432

Hi,
Im looking for information that will help me learn how to programme a sound card for spec analysis, rtty decode etc. I'm fine with the dsp, butterfly diagrams, fft etc but windows and sound cards - hmmmm
any pointers to a good book?

--
gcd AT austarmetro.com.au

Greg
using a prepaid service here as my isp news post havent worked since christmas.

859. Re: sound card programming - looking for good books, references

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-26 08:11:40 UTC
From: John Hague <John.Hague@philips.com>
Message-ID: <3CC90BBC.75B91C39@philips.com>
Source record: 6433

Gerard Brach wrote:

> Hi,
> Im looking for information that will help me learn how to programme a sound
> card for spec analysis, rtty decode etc. I'm fine with the dsp, butterfly
> diagrams, fft etc but windows and sound cards - hmmmm
> any pointers to a good book?
>
> --
> gcd AT austarmetro.com.au
>
> Greg
> using a prepaid service here as my isp news post havent worked since
> christmas.

Greg

I've found the following site to give a good introduction into programming a sound card:

http://www.relisoft.com/freeware/freq.html

All the best

John, G4GOY
(The views expressed are my own)

860. Re: sound card programming - looking for good books, references

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-26 09:01:59 UTC
From: Gerard Brach <gab36@bigpond.com>
Message-ID: <jC8y8.49425$uR5.115667@newsfeeds.bigpond.com>
Source record: 6434

Hi John,
thanks for the pointer, I'll see how I go.

Greg

"John Hague" <John.Hague@philips.com> wrote in message
news:3CC90BBC.75B91C39@philips.com...
>
>
> Gerard Brach wrote:
>
> > Hi,
> > Im looking for information that will help me learn how to programme a
sound
> > card for spec analysis, rtty decode etc. I'm fine with the dsp,
butterfly
> > diagrams, fft etc but windows and sound cards - hmmmm
> > any pointers to a good book?
> >
> > --
> > gcd AT austarmetro.com.au
> >
> > Greg
> > using a prepaid service here as my isp news post havent worked since
> > christmas.
>
> Greg
>
> I've found the following site to give a good introduction into programming
a
> sound card:
>
> http://www.relisoft.com/freeware/freq.html
>
> All the best
>
> John, G4GOY
> (The views expressed are my own)
>

861. Re: WYSE terminal and pk88

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-26 12:04:26 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3CC9424A.5D37038A@crosslink.net>
Source record: 6435

Charles is on the right track. That "dumb" Wyse Terminal is just smart enough to be dangerous in that it has mucho settings to talk to a variety of processors. We use them on everything from routers to SUN, HP and Motorola single-boards. Unfortunately I don't have a clue what the settings otta be for a PK88 so you'll have to experiment. View it as an opportunity to learn all about Wyse terminals (wink).
73, K3DWW

charlesb wrote:
>
> I had this happen about 15 years ago, with the same setup. It sweems like I
> fixed it by fooling around with the terminal settings. Hope this helps,
> thats about all I can remember.
>
> Good luck!
>
> Charles, N5PVL
>
> "Leonard Foard" <lfoard@bak.rr.com> wrote....
> > I am using the pk-88 and have a WYSE model 60 dumb terminal. When I power up
> > the works, I get to the command prompt from the TNC....

862. Q: Soundcard level-setting program

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-26 20:16:22 UTC
From: ZZZjim_cronin@juno.comZZZ
Message-ID: <nqcjcuoptmmf6mslhhg10lhus4ueu9f9c8@4ax.com>
Source record: 6436

Soundcards now have a lot of uses for different digital modes and decoding schemes, but every software/radio combination wants a different soundcard level setting.

Is there any software out there that can be used to save/restore soundcard levels. It would be handy to have it save source, too. For example, I run aux-in to a HF radio for PSK-31 and line-in to a scanner for other stuff.

73,
Jim
N2VNO

863. Re: sound card programming - looking for good books, references

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-27 03:25:44 UTC
From: Jim Jerzycke <kq6ea@pacbell.net>
Message-ID: <3CCA1A45.1050409@pacbell.net>
Source record: 6437

You can also go to the Creative Labs website and download their SDK. It has a good tutorial, and a lot of sample code.
Jim

864. Re: Packet "calling" freqs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-27 13:52:20 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020427095220.02319.00002554@mb-fn.aol.com>
Source record: 6438

```
>> What URL? You never posted any URL.
>
>This one.
>
>>
>> > http://www.northeastflexnet.org/

Hmm.. I went back and looked at the thread and didn't see the other message..
odd...
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Beachwood, NJ USA! Grid FM29vw
http://vhfradiobuff.tripod.com
http://edfas.tripod.com
```

865. Re: Packet "calling" freqs?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-27 16:12:14 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <y5Ay8.1300$F_.594781415@newssvr14.news.prodigy.com>
Source record: 6439

"VHFRadioBuff" <vhfradiobuff@aol.comspamsux> wrote in message
news:20020427095220.02319.00002554@mb-fn.aol.com...

> Hmm.. I went back and looked at the thread and didn't see the other
message..
> odd...

RGR, I noticed that too. Probably a server issue. You can see the url in his
reply, but not the message he replied to.

Charles, N5PVL

866. Re: Soundcard level-setting program

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-27 16:21:02 UTC
From: J <jca1954@iprimus.com.au>
Message-ID: <3ccacfd1_1@news.iprimus.com.au>
Source record: 6440

You need a program called Quickmix, found at,
http://www.msaxon.com/quickmix/

<ZZZjim_cronin@juno.comZZZ> wrote in message
news:nqcjcuoptmmf6mslhhg10lhus4ueu9f9c8@4ax.com...
> Soundcards now have a lot of uses for different digital modes and
> decoding schemes, but every software/radio combination wants a
> different soundcard level setting.
>
> Is there any software out there that can be used to save/restore
> soundcard levels. It would be handy to have it save source, too.
> For example, I run aux-in to a HF radio for PSK-31 and line-in to a
> scanner for other stuff.
>
> 73,
> Jim
> N2VNO

867. Pittsbrugh Packet

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-27 23:54:21 UTC
From: Mel Davis <medavis@attbi.com>
Message-ID: <B8F0B264.42D%medavis@attbi.com>
Source record: 6441

Getting back into packet and I am looking for any bbs freqs. in the pittsburgh metro area. I am living in beaver county which 12 miles from pittsbrugh, so any help is appreciated.

Mel
N8PHV

868. Packet and the ISS?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-28 06:39:42 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020428023942.19452.00004765@mb-fw.aol.com>
Source record: 6442

Hello all. I have just begun playing with packet and I am interested in contacting the ISS. I have the uplink and downlink freqs. Can anyone tell me how I'd go about actually contacting them? Any good webpages on the topic?
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Beachwood, NJ USA! Grid FM29vw
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

869. Macnet Ham Radio Users Group

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-28 10:33:50 UTC
From: John Seney <wd1v@amsat.org>
Message-ID: <wd1v-BAC6AA.06374128042002@netnews.attbi.com>
Source record: 6443

Recently updated roster and ham radio software listing

http://www.qsl.net/wd1v/
JS
http://www.qsl.net/wd1v

870. HTTP://DXSPOTS.COM...AX/IP & AX/UDP access

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-28 16:16:57 UTC
From: Ron <not-my@real-address.ab>
Message-ID: <kfVy8.1598$%N3.15242@eagle.america.net>
Source record: 6444

HTTP://DXSPOTS.COM can provide AX/IP and AX/UDP access which will allow you to set up a BPQ32 radio node for local access with an internet link for spots. A full time internet connection, such as cable internet or DSL is required.

If interested contact me via the web page HTTP://DXSPOTS.COM

Ron N5IN

871. AMPR addr bot dead?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-28 16:59:58 UTC
From: "Dana H. Myers" <dana@dioxine.com>
Message-ID: <3CCC2A89.8050701@dioxine.com>
Source record: 6445

I must not be keeping up too well, since a recent
attempt to update the AMPR.ORG DNS records with the
UCSD bot is apparently failing - I've been told that
the email message is not deliverable.

Has the bot been updated/replaced? Is it numb at
the moment?

Dana K6JQ
k6jq@arrl.net

872. Re: AMPR addr bot dead?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-28 18:10:41 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0204281809260.27976-100000@exp.bde-arc.ampr.org>
Source record: 6446

On Sun, 28 Apr 2002, Dana H. Myers wrote:
>I must not be keeping up too well, since a recent
>attempt to update the AMPR.ORG DNS records with the
>UCSD bot is apparently failing - I've been told that
>the email message is not deliverable.
>
>Has the bot been updated/replaced? Is it numb at
>the moment?
>
>Dana K6JQ
>k6jq@arrl.net

You need to ask Brian what address he has for you.... Only the mailbox he has for you will work.

873. FS: Icom IC-756PRO

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-28 23:16:51 UTC
From: George Sereikas <sereik@bellsouth.net>
Message-ID: <Im%y8.84799$tt4.4959691@e3500-atl2.usenetserver.com>
Source record: 6447

I have for sale an Icom IC-756 PRO. I am the original non-smoking owner and it is like new, both cosmetically and operationally. It comes with the original box, hand mike, power cable(never used) and manual. I will ship it in the Lower 48 for $1599. Check out my ratings on eBay, userid: kc2mf

If interested, please send me an email at: k2wo@arrl.net . I can also deliver this radio to the Dayton Hamvention.

Thanks for reading this message.

George
K2WO

874. Re: Packet and the ISS?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-29 11:42:05 UTC
From: Peter O <peter.o@lennik.org>
Message-ID: <3CCD318D.908FA973@lennik.org>
Source record: 6448

VHFRadioBuff wrote:
>
> Hello all. I have just begun playing with packet and I am interested in
> contacting the ISS. I have the uplink and downlink freqs. Can anyone tell me
> how I'd go about actually contacting them? Any good webpages on the topic?
> =-
> 73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
> Beachwood, NJ USA! Grid FM29vw
> http://vhfradiobuff.tripod.com
> http://edfas.tripod.com

Take a look at http://ariss.gsfc.nasa.gov

--
Peter O
http://www.lennik.org

The face of war has never changed. Surely it is more logical to heal
than to kill.
-- Surak of Vulcan, "The Savage Curtain", stardate 5906.5

875. Re: Packet and the ISS?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-29 15:21:40 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020429112140.05615.00005007@mb-cd.aol.com>
Source record: 6449

Well, I've heard the ISS a few times on packet now and saw other stations
callsigns listed, but do I actually connect with the ISS? Do I send a C RS0ISS?
I will check out the link that was provided, but any replies would be welcomed.
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Beachwood, NJ USA! Grid FM29vw
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

876. Re: Packet and the ISS?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-29 17:45:55 UTC
From: Peter O <peter.o@lennik.org>
Message-ID: <3CCD86D3.C9832D06@lennik.org>
Source record: 6450

VHFRadioBuff wrote:
>
> Well, I've heard the ISS a few times on packet now and saw other stations
> callsigns listed, but do I actually connect with the ISS? Do I send a C RS0ISS?
> I will check out the link that was provided, but any replies would be welcomed.
> =-
> 73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
> Beachwood, NJ USA! Grid FM29vw
> http://vhfradiobuff.tripod.com
> http://edfas.tripod.com

If you read the information correctly you would have seen that you
cannot connect at this time.
This is because there is no computer attached to the transceiver.
There is some kind of mailbox functionality, but you are requested not
to leave any messages because the crew has no way of reading thme
because of the missing computer.
Be patient and follow the news about ARISS on the website I mentionned
before more news can be found on
http://www.arrl.org too.

--
Peter O
http://www.lennik.org

The face of war has never changed. Surely it is more logical to heal
than to kill.
-- Surak of Vulcan, "The Savage Curtain", stardate 5906.5

877. APRS/ONSTAR

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-29 21:12:46 UTC
From: K&#65533;HB <KAYZEROHANDSOMEBOY@ELECTRICSMOKE.NET>
Message-ID: <iHiz8.216$Uw4.23308@newsread1.prod.itd.earthlink.net>
Source record: 6451
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.digital,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy

I have two new GM vehicles which came equipped with OnStar. Has anyone here figured out a way to intercept the OnStar latitude/longitude info for a feed to an APRS node?

73, de Hans, K0HB
k0hb at arrl dot net

878. Re: RIGBASTER BACKUP/SERVICE

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-29 21:20:48 UTC
From: K&#65533;HB <KAYZEROHANDSOMEBOY@ELECTRICSMOKE.NET>
Message-ID: <QOiz8.231$Uw4.24881@newsread1.prod.itd.earthlink.net>
Source record: 6452

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
news:slrnac8lqr.o16.nomail@linux.pe1chl.ampr.org...
> Neil Barrowman <rn822706@ntlworld.com> wrote:
> >I HAD A VERY OBSCURE PROBLEM WITH RIGBLASTER UNIT WHICH HAD WORKED OK
WITH
>
> You also have a problem with your keyboard!
> Hopefully it is less obscure.
>
> Rob

And Rob has a problem with snooty manners.

With all kind wishes,

de Hans, K0HB

879. Re: APRS/ONSTAR

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-29 22:22:25 UTC
From: Brian P Burke <bpburke@prodigy.net>
Message-ID: <BIjz8.2268$%b.165220697@newssvr16.news.prodigy.com>
Source record: 6453
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.digital,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy

"K�HB" <KAYZEROHANDSOMEBOY@ELECTRICSMOKE.NET> wrote in message
news:iHiz8.216$Uw4.23308@newsread1.prod.itd.earthlink.net...
> I have two new GM vehicles which came equipped with OnStar. Has anyone
here
> figured out a way to intercept the OnStar latitude/longitude info for a
feed
> to an APRS node?
>
> 73, de Hans, K0HB
> k0hb at arrl dot net

I'd try TAPR or Buck Rogers first.

880. Re: Pittsbrugh Packet

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-30 00:04:39 UTC
From: N3WWN <n3wwn@futuretek.cx>
Message-ID: <ucrnsmugbi75a@corp.supernews.com>
Source record: 6454

Hi Mel!

Try 145.69 simplex.

That is the frequency that the SWPPG (SouthWest Pennsylvania Packet Group) uses for their nodes. The WA3IOU/BBSIOU node is quite a good BBS, in my opinion!

Hope to see you on packet!!

73 de Rich N3WWN

On Sat, 27 Apr 2002 19:54:21 -0400, Mel Davis wrote:

> Getting back into packet and I am looking for any bbs freqs. in the
> pittsburgh metro area. I am living in beaver county which 12 miles from
> pittsbrugh, so any help is appreciated.
>
> Mel
> N8PHV

881. Re: Pittsbrugh Packet

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-30 00:07:20 UTC
From: N3WWN <n3wwn@futuretek.cx>
Message-ID: <ucro1nf5qol48f@corp.supernews.com>
Source record: 6455

Hi Mel!

Try 145.69 simplex.

That is the frequency that the SWPPG (SouthWest Pennsylvania Packet Group) uses for their nodes. The WA3IOU/BBSIOU node is quite a good BBS, in my opinion!

Hope to see you on packet!!

73 de Rich N3WWN

On Sat, 27 Apr 2002 19:54:21 -0400, Mel Davis wrote:

> Getting back into packet and I am looking for any bbs freqs. in the
> pittsburgh metro area. I am living in beaver county which 12 miles from
> pittsbrugh, so any help is appreciated.
>
> Mel
> N8PHV

882. ISS Pass Prediction?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-30 01:47:05 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020429214705.05648.00005210@mb-cd.aol.com>
Source record: 6456

I was just checking pass predictions for the ISS and was wondering if I was getting the right data. My coordinates are lat 39.939 and long -74.193. According to what I've found, the ISS won't pass over again until May 7th, and then only 1x a day for the next 3 days. Is this correct? Over the last 2 days, I've had at least 3 pass overs... did I just happen to get a lot of passes at once?

=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-

73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Beachwood, NJ USA! Grid FM29vw
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

883. LAN-LINK

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-30 08:00:05 UTC
From: Graham McKendry <graham_inga@members.v21.co.uk>
Message-ID: <3cce4ee1_1@news.greennet.net>
Source record: 6457

Can any one help to run Lan-Link program for PK232 in Win98?

884. Re: ISS Pass Prediction?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-30 10:52:40 UTC
From: Adam Alicajic <smajo.alicajic@pu.tel.hr>
Message-ID: <aalt29$38eg$1@as201.hinet.hr>
Source record: 6458

Hello,

You can download freeware software "Satscape" and then you will probably
find right answer on your question.
Satscape can update from the web all you need, satelite database, keplerian
elements and update your computer clock, very fast and accurate.
Normaly you will have pass prediction, 2D, 3D wiev etc...

Adam

885. Re: ISS Pass Prediction?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-30 12:49:38 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnact4n1.2d0.nomail@linux.pe1chl.ampr.org>
Source record: 6459

VHFRadioBuff <vhfradiobuff@aol.comspamsux> wrote:
>I was just checking pass predictions for the ISS and was wondering if I was
>getting the right data. My coordinates are lat 39.939 and long -74.193.
>According to what I've found, the ISS won't pass over again until May 7th, and
>then only 1x a day for the next 3 days. Is this correct?

No that probably isn't correct. While you will have fewer passes at 39
degrees than I have at 52, there should be at least a few every day.

So probably you have your elements wrong.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

886. Re: ISS Pass Prediction?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-30 13:34:43 UTC
From: Roger Barker <roger@peaksys.co.uk>
Message-ID: <NUrwrWAz1pz8EwhG@peaksys.co.uk>
Source record: 6460

In article <20020429214705.05648.00005210@mb-cd.aol.com>, VHFRadioBuff
<vhfradiobuff@aol.comspamsux> writes
>I was just checking pass predictions for the ISS and was wondering if I was
>getting the right data. My coordinates are lat 39.939 and long -74.193.
>According to what I've found, the ISS won't pass over again until May 7th, and
>then only 1x a day for the next 3 days. Is this correct? Over the last 2 days,
>I've had at least 3 pass overs... did I just happen to get a lot of passes at
>once?

I think these are correct for your location. Note - 'Start Time' is UTC.

Start Time	Duration	Start Az	End Az	Max Elev
2002-Apr-30 11:01:24	00:08:27	180	75	9
2002-Apr-30 12:35:58	00:10:46	233	53	83
2002-Apr-30 14:13:02	00:09:49	275	46	17
2002-Apr-30 15:50:42	00:08:58	305	57	10
2002-Apr-30 17:27:23	00:10:00	314	89	18
2002-Apr-30 19:03:29	00:10:50	306	132	76
2002-Apr-30 20:40:34	00:07:56	281	186	7
2002-May-01 10:07:00	00:05:25	154	92	3
2002-May-01 11:39:52	00:10:33	217	58	41
2002-May-01 13:16:19	00:10:17	262	47	24
2002-May-01 14:54:00	00:09:03	297	51	11
2002-May-01 16:31:04	00:09:30	313	76	14
2002-May-01 18:07:14	00:10:45	310	116	49
2002-May-01 19:43:42	00:09:40	293	165	16
2002-May-02 10:44:04	00:09:50	199	65	19
2002-May-02 12:19:40	00:10:38	247	49	41
2002-May-02 13:57:08	00:09:21	286	48	13
2002-May-02 15:34:34	00:09:07	310	66	11
2002-May-02 17:10:56	00:10:26	313	102	27
2002-May-02 18:47:07	00:10:31	301	147	34
2002-May-02 20:25:34	00:04:19	262	214	1

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

887. Re: ISS Pass Prediction?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-04-30 22:43:19 UTC
From: "Jim Shaffer, Jr." <jmshaffer@alltel.net>
Message-ID: <uc7ucu014ntedna9a2sdnj3r1hd2h7ofqe@4ax.com>
Source record: 6461

On 30 Apr 2002 01:47:05 GMT, vhfradiobuff@aol.comspamsux (VHFRadioBuff) wrote:

>I was just checking pass predictions for the ISS and was wondering if I was
>getting the right data. My coordinates are lat 39.939 and long -74.193.
>According to what I've found, the ISS won't pass over again until May 7th, and
>then only 1x a day for the next 3 days. Is this correct? Over the last 2 days,
>I've had at least 3 pass overs... did I just happen to get a lot of passes at
>once?

You don't say what you're using for prediction. Is it perhaps only giving you passes that are visually observable? (That is to say, when the sky is dark enough to see stars but the sun is close enough to the horizon to illuminate something only a few hundred miles above the surface.)

888. Re: ISS Pass Prediction?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-01 02:06:41 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020430220641.14094.00004439@mb-ce.aol.com>
Source record: 6462

>You don't say what you're using for prediction. Is it perhaps only giving
>you
>passes that are visually observable?

I just went onto a couple sites on the internet that do pass predictions, don't remember the exact websites. Can you recommend one that I can use that will show all passes?
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Beachwood, NJ USA! Grid FM29vw
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

889. Re: ISS Pass Prediction?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-01 05:21:01 UTC
From: KC8PMX <kc8pmx@NOSPAMdiamondcs.net>
Message-ID: <aap5jc42v8p@enews1.newsguy.com>
Source record: 6470

Try www.heavens-above.com . I use that all the time for information related to satellites and the ISS. I can hear the ISS (packet) every time it comes by but cannot connect. Guess it takes a little more than an HT to hit it. Otherwise it comes in super-strong.

--
Ryan, KC8PMX
FF/MFR

www.qsl.net/w8kea (click on banner at bottom of screen to vote for the site please)

REMOVE "NOSPAM" in email address to reply.

"VHFRadioBuff" <vhfradiobuff@aol.comspamsux> wrote in message news:20020429214705.05648.00005210@mb-cd.aol.com...
> I was just checking pass predictions for the ISS and was wondering if I was
> getting the right data. My coordinates are lat 39.939 and long -74.193.
> According to what I've found, the ISS won't pass over again until May 7th, and
> then only 1x a day for the next 3 days. Is this correct? Over the last 2 days,
> I've had at least 3 pass overs... did I just happen to get a lot of passes at
> once?
> =-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
> 73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
> Beachwood, NJ USA! Grid FM29vw
> http://vhfradiobuff.tripod.com
> http://edfas.tripod.com

890. PSK-31 on VHF/UHF FM???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-01 05:30:08 UTC
From: KC8PMX <kc8pmx@NOSPAMdiamondcs.net>
Message-ID: <aap5jd52v8p@enews1.newsguy.com>
Source record: 6471

With alot of non-HF people out there and the abundance of equipment for use on VHF/UHF and the simplicity of PSK-31, why cannot we use it those bands?

It seems to me from my limited understanding of how PSK-31 works, is that it is relatively short bursts of information send in a tone that sounds like a warbled whistle kind of sound. Granted FM does take alot more bandwidth, but you are not transmitting all the time. Seems like this would be a much more effective use of local (within state or from county to county etc...) digital communications. Packet can seem to be buggy from time to time.

Please let me know if I am wrong, or if this would work or ??? I am fairly proficient with packet now, and would be curious to explore PSK-31, but I am limited to FM on 144, 220, and 440 but do have all-mode capability on 6 meters.

Thanks,

--
Ryan, KC8PMX
FF/MFR

www.qsl.net/w8kea (click on banner at bottom of screen to vote for the site please)

REMOVE "NOSPAM" in email address to reply.

891. Software for Universal M-7000

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-01 07:01:43 UTC
From: Roger Basford <Basford@btinternet.com>
Message-ID: <fl+Jx3AXL5z8Ewgd@btinternet.com>
Source record: 6463

Hi,

Anyone have suggestions for software to use with the M-7000? I've tried
Copycat-pro and it seems OK but expensive for a DOS program. I also have
the logging program on http://www.trifid-nebula.de/index.htm

Anything else around?

Regards,
--
Roger Basford
(G3VKM, Norfolk, England)

892. streaming

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-01 07:52:43 UTC
From: S&#65533;ren Sohl <ssohl@cs.auc.dk>
Message-ID: <aao6qooqc1@sunsite.dk>
Source record: 6464

Anyone, with a knowledge about streaming for a local radio. We want to start one up, but we don't know which format to use, Reals, Microsofts or Shoutcasts? We're on-air three hours a day and we want to send MP3s the other time. So the server/program has to take the input signal the three hours and then switch to MP3 the other time.
Is one of the abovementioned able to do that, or do we have to buy a package that does?

Soren Sohl

893. Re: ISS Pass Prediction?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-01 08:58:41 UTC
From: Peter O <peter.o@lennik.org>
Message-ID: <3CCFAE41.FAFA015B@lennik.org>
Source record: 6465

http://www.heavens-above.com
In the Amateur-radio section all passes for hamradio-sattelites show up.
Including ISS

VHFRadioBuff wrote:
>
> >You don't say what you're using for prediction. Is it perhaps only giving
> >you
> >passes that are visually observable?
>
> I just went onto a couple sites on the internet that do pass predictions, don't
> remember the exact websites. Can you recommend one that I can use that will
> show all passes?
> =-
> 73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
> Beachwood, NJ USA! Grid FM29vw
> http://vhfradiobuff.tripod.com
> http://edfas.tripod.com

--
Peter O
http://www.lennik.org

Vulcans do not approve of violence.
-- Spock, "Journey to Babel", stardate 3842.4

894. Re: ISS Pass Prediction?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-01 14:47:56 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020501104756.28374.00004129@mb-fu.aol.com>
Source record: 6466

>http://www.heavens-above.com
>In the Amateur-radio section all passes for hamradio-sattelites show up.
>Including ISS

I've been there but it doesn't seem that you can list all the passes for the
ISS only. You either list all the passes for EVERY amateur satellite or you can
only list the visible passes for the ISS... but you can't list all the passes
of the ISS ONLY.... :(
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Beachwood, NJ USA! Grid FM29vw
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

895. Re: ISS Pass Prediction?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-01 15:03:40 UTC
From: David Cook <nospam.davepc2@oz.net>
Message-ID: <gtTz8.4622$xv1.57@rwcrnsc51.ops.asp.att.net>
Source record: 6467

I'm confused, what's the difference between "all" ISS passes and "visible"
passes?
73,
-- Dave, WA0TTN

"VHFRadioBuff" <vhfradiobuff@aol.comspamsux> wrote in message
news:20020501104756.28374.00004129@mb-fu.aol.com...
> >http://www.heavens-above.com
> >In the Amateur-radio section all passes for hamradio-sattelites show up.
> >Including ISS
>
> I've been there but it doesn't seem that you can list all the passes for
the
> ISS only. You either list all the passes for EVERY amateur satellite or
you can
> only list the visible passes for the ISS... but you can't list all the
passes
> of the ISS ONLY.... :(
> =-
> 73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
> Beachwood, NJ USA! Grid FM29vw
> http://vhfradiobuff.tripod.com
> http://edfas.tripod.com

896. Re: ISS Pass Prediction?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-01 16:07:31 UTC
From: FritzWue <Friedrich.Wuelfing-omit@t-online.de>
Message-ID: <aap3s8$sd0$03$1@news.t-online.com>
Source record: 6468

"David Cook" <nospam.davepc2@oz.net> schrieb im Newsbeitrag
news:gtTz8.4622$xv1.57@rwcrnsc51.ops.asp.att.net...
> I'm confused, what's the difference between "all" ISS passes and "visible"
> passes?
> 73,
> -- Dave, WA0TTN

During twilight and dawn you can actually see the ISS passing by when there
are no clouds in the sky.
...and then there are the passes during daytime and when it passes you in
the earth's shadow at night time.
The sum makes " all ISS passes" ;-))

73
Fritz
DK6QI

897. Re: ISS Pass Prediction?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-01 16:19:18 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnad05c6.2d0.nomail@linux.pe1chl.ampr.org>
Source record: 6469

David Cook <nospam.davepc2@oz.net> wrote:
>I'm confused, what's the difference between "all" ISS passes and "visible"
>passes?

A "visible" pass is one where (part of the) pass has the ISS in sunlight
while the observer is in darkness.

That is useful information for the "visual" observer but not very useful
for radio amateurs.

Rob
--
+--------------------------------+-------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+-------------------------------------+

898. Re: ISS Pass Prediction?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-01 17:39:02 UTC
From: Peter O <peter.o@lennik.org>
Message-ID: <3CD02836.69B972C6@lennik.org>
Source record: 6472

KC8PMX wrote:
>
> Try www.heavens-above.com . I use that all the time for information
> related to satellites and the ISS. I can hear the ISS (packet) every time
> it comes by but cannot connect. Guess it takes a little more than an HT to
> hit it. Otherwise it comes in super-strong.

Connecting to the ISS may be a little bit impossible as there is no
computer attached to the TNC.
At least that is my understanding of the information on the various
websites on this subject.

This is mentionned at http://web.usna.navy.mil/~bruninga/iss-faq.html

I'm sure ARISS is working on the further development of the
ISS-amateur-station.
There still is enough time, the station is supposed to last for 15 years
or so :-)

--
Peter O
http://www.lennik.org

Vulcans do not approve of violence.
-- Spock, "Journey to Babel", stardate 3842.4

899. Re: PSK-31 on VHF/UHF FM???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-01 18:34:37 UTC
From: "Dana H. Myers" <k6jq@arrl.net>
Message-ID: <3CD03541.3080706@arrl.net>
Source record: 6473

KC8PMX wrote:

> With alot of non-HF people out there and the abundance of equipment for use
> on VHF/UHF and the simplicity of PSK-31, why cannot we use it those bands?
>
> It seems to me from my limited understanding of how PSK-31 works, is that it
> is relatively short bursts of information send in a tone that sounds like a
> warbled whistle kind of sound. Granted FM does take alot more bandwidth,
> but you are not transmitting all the time. Seems like this would be a much
> more effective use of local (within state or from county to county etc...)
> digital communications. Packet can seem to be buggy from time to time.

Actually, PSK31 is similar to RTTY, where stations typically take turns
transmitting in a half-duplex fashion and it is *not* packetized. Once
you start transmitting, you continue doing so until you're finished
typing whatever you intend to type. Further, PSK31 is used without
FEC or error correction, the idea being that one can tolerate some
amount of errors in a conversational keyboard-to-keyboard exchange.
If you stop or pause typing, you continue transmitting the PSK31
carrier until you start typing again or stop transmitting.

The actual bandwidth of the PSK31 signal is very, very small but it's
usually generated on a 1KHz (or so) carrier, which is frequency-translated
by an SSB transmitter and results in what appears to be a very narrow
PSK-modulated carrier (< 70Hz). Transmitting this as FM audio would result
in an FM signal approximately 7KHz wide for the same throughput, which
is terribly ineffecient and likely would not experience the same
resilience for low signal levels.

In other words, PSK31 doesn't make much sense for the use you
describe, though it's certainly possible (and I'm sure it's
been done already).

I don't know what you mean by packet being buggy in this case,
it's certainly sensitive to how people set up their signal
levels and TNCs, but, with a little care, packet is can be
quite good. The most common problem with packet I've seen
is people over-driving the transmitters into audio limiting -
it's better to turn the audio down a bit than it is to over-drive.

> Please let me know if I am wrong, or if this would work or ??? I am fairly
> proficient with packet now, and would be curious to explore PSK-31, but I am
> limited to FM on 144, 220, and 440 but do have all-mode capability on 6
> meters.

PSK31 as a local comms mode via an SSB transmitter on 6m might be interesting, though.

Dana K6JQ
k6jq@arrl.net

900. Re: ISS Pass Prediction?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-02 03:57:31 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020501235731.26862.00006832@mb-cj.aol.com>
Source record: 6474

>Connecting to the ISS may be a little bit impossible as there is no
>computer attached to the TNC.
>At least that is my understanding of the information on the various
>websites on this subject.
>
>This is mentionned at http://web.usna.navy.mil/~bruninga/iss-faq.html
>
>I'm sure ARISS is working on the further development of the
>ISS-amateur-station.
>There still is enough time, the station is supposed to last for 15 years
>or so :-)
>

Must be outdated information because I've been watching packets go through the ISS over the last few days and today I made my first contact via the ISS packet station!

As a matter of fact, here's a cut and paste of my very short QSO:

KC2SSB>CQ,RS0ISS: <UI>:
Can anyone confirm I am making it? My first contact via ISS

KB3BRT>FN1FW,RS0ISS*: <<UI>>:
QSL SSB

KC2SSB>CQ,RS0ISS: <UI>:
Great, tnx!

VE2FCA>CQ,RS0ISS*: <<UI>>:
73's to all de francois email:ve2fca@hotmail.com hi all

K2RQA>CQ,RS0ISS*,FN32FN,DON: <<UI>>:
HI KC2SSB

KC2SSB>CQ,RS0ISS: <UI>:
HELLO DON

This was with a Yaesu FT-1500 at 50 watts and an MFJ 2/6m dualband vertical at 20 feet. At the time of this pass, the ISS was well north, into Canada.
=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Beachwood, NJ USA! Grid FM29vw
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

901. Re: PSK-31 on VHF/UHF FM???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-02 04:54:12 UTC
From: KC8PMX <kc8pmx@NOSPAMdiamondcs.net>
Message-ID: <aar8kc1n8g@enews1.newsguy.com>
Source record: 6477

"Dana H. Myers" <k6jq@arrl.net> wrote in message
news:3CD03541.3080706@arrl.net...
>
>
> KC8PMX wrote:
>
> > With alot of non-HF people out there and the abundance of equipment for
use
> > on VHF/UHF and the simplicity of PSK-31, why cannot we use it those
bands?
> >
> > It seems to me from my limited understanding of how PSK-31 works, is
that it
> > is relatively short bursts of information send in a tone that sounds
like a
> > warbled whistle kind of sound. Granted FM does take alot more
bandwidth,
> > but you are not transmitting all the time. Seems like this would be a
much
> > more effective use of local (within state or from county to county
etc...)
> > digital communications. Packet can seem to be buggy from time to time.
>
>
> Actually, PSK31 is similar to RTTY, where stations typically take turns
> transmitting in a half-duplex fashion and it is *not* packetized. Once
> you start transmitting, you continue doing so until you're finished
> typing whatever you intend to type. Further, PSK31 is used without
> FEC or error correction, the idea being that one can tolerate some
> amount of errors in a conversational keyboard-to-keyboard exchange.
> If you stop or pause typing, you continue transmitting the PSK31
> carrier until you start typing again or stop transmitting.
> The actual bandwidth of the PSK31 signal is very, very small but it's
> usually generated on a 1KHz (or so) carrier, which is frequency-translated
> by an SSB transmitter and results in what appears to be a very narrow
> PSK-modulated carrier (< 70Hz). Transmitting this as FM audio would
result
> in an FM signal approximately 7KHz wide for the same throughput, which
> is terribly ineffecient and likely would not experience the same
> resilience for low signal levels.

I understand that. But use in our WAAAAAAYYYYY under-utilized bands doesn't
sound like it would be problem. VHF and UHF are practically dead around
here.

>
> In other words, PSK31 doesn't make much sense for the use you
> describe, though it's certainly possible (and I'm sure it's
> been done already).

Well... yes and no.... If that is the only means I might have in an emergency to communicate at the time, I might utilize it. Of course there would have to be someone on the other end also.

>
> I don't know what you mean by packet being buggy in this case,
> it's certainly sensitive to how people set up their signal
> levels and TNCs, but, with a little care, packet is can be
> quite good. The most common problem with packet I've seen
> is people over-driving the transmitters into audio limiting -
> it's better to turn the audio down a bit than it is to over-drive.
>

Well... noise (any kind) seems to be a b*tch, for instance if a car with a noisy electrical system drives by, or other interference like that.

>
> > Please let me know if I am wrong, or if this would work or ??? I am
fairly
> > proficient with packet now, and would be curious to explore PSK-31, but
I am
> > limited to FM on 144, 220, and 440 but do have all-mode capability on 6
> > meters.
>
>
> PSK31 as a local comms mode via an SSB transmitter on 6m might be
> interesting, though.
>

I was just curious if there was the interest in utulizing other digital modes on VHF/UHF frequencies. I cannot speak for the rest of the country but around here there is usually only band opening of 6m usage, next to nothing on 220, fair to poor utilization of 2 meters and other than remote reciever and other similar cross-banding type of work on 440, that band is quiet too. I know that an FM signal is definitely a "wide" signal, but there is still a lot of simplex frequencies that could be utilized in the four main VHF/UHF bands. Also would be neat to experiment with it in the 900Mhz and 1.2Ghz allocations too.

The main problem with trying to operate SSB on VHF and above frequencies is that there is little equipment available for such operation.

Ryan KC8PMX

902. Re: ISS Pass Prediction?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-02 09:48:51 UTC
From: Peter O <peter.o@lennik.org>
Message-ID: <3CD10B83.63FC03A0@lennik.org>
Source record: 6475

VHFRadioBuff wrote:
>
> >Connecting to the ISS may be a little bit impossible as there is no
> >computer attached to the TNC.
> >At least that is my understanding of the information on the various
> >websites on this subject.
> >
> >This is mentionned at http://web.usna.navy.mil/~bruninga/iss-faq.html
> >
> >I'm sure ARISS is working on the further development of the
> >ISS-amateur-station.
> >There still is enough time, the station is supposed to last for 15 years
> >or so :-)
> >
>
> Must be outdated information because I've been watching packets go through the
> ISS over the last few days and today I made my first contact via the ISS packet
> station!

Making contacts through the ISS is something different than contacting
the ISS itself.
If I understand it correctly the system currently available is a
digipeater.
So you send up a packet and the ISS sends it down again. No computer
needed there.

If you wish to contact the crew, and tell them whatever you want to tell
them, they will need a computer with appropriate software to receive and
read your message, and my understanding is that they currently don't
have something like that.

Please prove me wrong, I would love to get a message though to those
guys.

Peter O

903. Re: ISS Pass Prediction?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-02 10:35:35 UTC
From: Roger Conroy <rogerconroy@nospam.hotmail.com>
Message-ID: <aar4q3chg1@ctb-nnrp1.saix.net>
Source record: 6476

Snip------------

> If you wish to contact the crew, and tell them whatever you want to tell
> them, they will need a computer with appropriate software to receive and
> read your message, and my understanding is that they currently don't
> have something like that.
>
> Please prove me wrong, I would love to get a message though to those
> guys.
>
> Peter O

The first time ever that anyone from Africa is in space - Mark Shuttleworth, he arrived there a few days ago on a Soyuz - and the system is disconnected!!!!!

73
Roger ZR1RC
(you can probably figure out that I'm South African)

904. Re: ISS Pass Prediction?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-02 13:01:54 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020502090154.19393.00006315@mb-fw.aol.com>
Source record: 6478

>Making contacts through the ISS is something different than contacting
>the ISS itself.
>If I understand it correctly the system currently available is a
>digipeater.

You are correct. That is what I have been doing...
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Beachwood, NJ USA! Grid FM29vw
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

905. Re: PSK-31 on VHF/UHF FM???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-02 13:12:01 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <BWaA8.371$1K4.234256513@newssvr13.news.prodigy.com>
Source record: 6479

Some of the local hams were doing it this winter, and had fun with it. I'm not sure if they were doing it on FM though. Best way to see if it works the way you want is to give it a shot.

Why not?

You can turn off the error correction with packet (passall, etc.) and get much the same effect. Instead of resends, you get garbage characters.

There is more advanced packet stuff now (FlexNet) that automatically adjusts its own TNC parameters on a frame by frame basis (dynamic) so that interference and retries are not so much of a problem. In the absence of interference, the new stuff is much faster than old style packet, too. If FlexNet notices that you have a good, strong connection, it will send 7 packet frames of 256 PACLEN every time your radio keys up. As soon as conditions degrade though, and FlexNet has to re-send, it first backs off on the parameters, sending less frames at a lower PACLEN until resends no longer occur. Then after successfully sending several times with no resends, it will experimentally bump the parms up a little bit, just to see if it can get away with it. It's kind of fun to watch in action, and it is significantly faster and more reliable than old style packet stuff.

Still, the idea of PSK31 on FM is interesting. You sure can't hurt anything by trying, and it might be a lot of fun. I'd say go for it.

73 DE Charles, N5PVL

906. Re: ISS Pass Prediction?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-02 18:52:16 UTC
From: Peter O <peter.o@lennik.org>
Message-ID: <3CD18AE0.6F7D8CDE@lennik.org>
Source record: 6480

Roger Conroy wrote:
>
> Snip------------
>
> > If you wish to contact the crew, and tell them whatever you want to tell
> > them, they will need a computer with appropriate software to receive and
> > read your message, and my understanding is that they currently don't
> > have something like that.
> >
> > Please prove me wrong, I would love to get a message though to those
> > guys.
> >
> > Peter O
>
> The first time ever that anyone from Africa is in space - Mark
> Shuttleworth, he arrived there a few days ago on a Soyuz - and the system is
> disconnected!!!!!
>
> 73
> Roger ZR1RC
> (you can probably figure out that I'm South African)

Well http://www.arrl.org reported today that Mark Shuttleworth made some
voice-contacts over North America.
If the crew is using the voice-station they switch off the packet
because they interfere (both use the same downlink-frequency)
Maybe you got unlucky or they forgot to switch it on again, or did it
later.
BTW Shuttleworth did make a school-contact over South Africa too, if I'm
correct.

--
Peter O
http://www.lennik.org

Death, when unnecessary, is a tragic thing.
-- Flint, "Requiem for Methuselah", stardate 5843.7

907. Re: ISS Pass Prediction?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-02 19:12:06 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnad33s6.2d0.nomail@linux.pe1chl.ampr.org>
Source record: 6481

Peter O <peter.o@lennik.org> wrote:
>If you wish to contact the crew, and tell them whatever you want to tell
>them, they will need a computer with appropriate software to receive and
>read your message, and my understanding is that they currently don't
>have something like that.

They should have sent a Commodore 64 with Baycom instead of the stupid TNC!

Every time I read about this ISS amateur station I wonder if the guys who
run that experiment have ever considered using experience from earlier
missions, and their successes and failures, in the next experiment...

First they send up an off-the-shelf TNC without thinking about modifying
the defaults table to the "correct" values for this experiment (the most
visible effect of this being the station identifying itself as NOCALL), and
when this gross error is rectified by sending a new station up, they again
send a TNC.

Amateurs-on-the-ground know that a TNC was a suitable way to setup a packet
system 15 years ago, but now?

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

908. Re: HamComm and Com Port problem

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-02 20:03:23 UTC
From: Ralph Mowery <rmowery@dialpoint.net>
Message-ID: <3CD19B8B.6EB48E95@dialpoint.net>
Source record: 6483

I have used the hamcom program on a 486 and it worked fine. When I switched to win 98 and a new computer I started using the free sound card programs so I can;t say but suspect it might be the timming of win 98 or newer operating sustems. The interface does work in the new computer to decode some other digital signals that I have windows 98 programs for from the scanner.

Joni Kitar wrote:
>
> At last we found an old 386 PC and the HC31 program with the old cable could
> receive the Baudot transmission just like before! With our new pc it has not
> succeeded, something has happened to the com ports during the last 3-4
> years, but what?
> - Joni

909. HamComm and Com Port problem

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-02 20:28:32 UTC
From: Joni Kitar <joni_kitar@hot-mail.com.invalid>
Message-ID: <aas7h0qjj1@nyytiset.pp.htv.fi>
Source record: 6482

At last we found an old 386 PC and the HC31 program with the old cable could receive the Baudot transmission just like before! With our new pc it has not succeeded, something has happened to the com ports during the last 3-4 years, but what?
- Joni

910. Re: ISS Pass Prediction?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-02 21:32:53 UTC
From: "Jim Shaffer, Jr." <jmshaffer@alltel.net>
Message-ID: <qlr0du0rtafsk4vr47k8i8ml4gd5965llk@4ax.com>
Source record: 6484

On 01 May 2002 02:06:41 GMT, vhfradiobuff@aol.comspamsux (VHFRadioBuff) wrote:

>I just went onto a couple sites on the internet that do pass predictions, don't
>remember the exact websites. Can you recommend one that I can use that will
>show all passes?

I use a program called SatScape. It's free from www.satscape.co.uk. It's
pretty large because it has a lot of fancy graphics, but it works very well.

911. Re: ISS Pass Prediction?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-03 08:03:34 UTC
From: Peter O <peter.o@lennik.org>
Message-ID: <3CD24456.D5841346@lennik.org>
Source record: 6485

Rob Janssen wrote:
>
> Peter O <peter.o@lennik.org> wrote:
> >If you wish to contact the crew, and tell them whatever you want to tell
> >them, they will need a computer with appropriate software to receive and
> >read your message, and my understanding is that they currently don't
> >have something like that.
>
> They should have sent a Commodore 64 with Baycom instead of the stupid TNC!
>
> Every time I read about this ISS amateur station I wonder if the guys who
> run that experiment have ever considered using experience from earlier
> missions, and their successes and failures, in the next experiment...
>
> First they send up an off-the-shelf TNC without thinking about modifying
> the defaults table to the "correct" values for this experiment (the most
> visible effect of this being the station identifying itself as NOCALL), and
> when this gross error is rectified by sending a new station up, they again
> send a TNC.
>
> Amateurs-on-the-ground know that a TNC was a suitable way to setup a packet
> system 15 years ago, but now?
>

Hey, we are all human, and do make mistakes.
The reasons for this limited station were never well explained but I can
imagine some reasons.
- limited amount of weigth
- limited amount of available power
- limited amount of crew-time
- maybe even limited amount of funds
So don't blame anyone for trying, instead you could contact them and see
what you could do to improve the situation. That would really be in the
spirit of ham-radio.

--
Peter O
http://www.lennik.org

After a time, you may find that "having" is not so pleasing a thing,
after all, as "wanting." It is not logical, but it is often true.
-- Spock, "Amok Time", stardate 3372.7

912. Re: HF multipath and digital

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-03 10:04:34 UTC
From: Markus L <uo9oew@lnubb.pbz>
Message-ID: <3cd26094$0$220$4d4ebb8e@read-nat.news.nl.uu.net>
Source record: 6486

"charlesb" <n5pvl@sbcglobal.net> wrote in message
news:8ZSx8.2398$DO4.526579874@newssvr13.news.prodigy.com...
> I was reading about wireless internet equipment dealing with multipath by
> locking on each multiple and running the results through a voting system.
> This system is said to take advantage of multipath conditions to boost
> speed/reliability instead of allowing the out of phase signals to cancel
> each other out and reduce your throughput.
>
> Does anybody do that on HF yet? Just curious. Sounds like a good deal.
>
> Charles, N5PVL

It's also used in cellular systems. Search for "rake receiver" in
www.google.com .
Don't know if it's applied on HF as well. Guess that MT63 is trying to
achieve similar benefits using time and frequency diversity.

Markus, HB9BRJ
--
e-mail address is ROT13 encoded. Decode before replying.

913. Re: ISS Pass Prediction?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-03 10:55:40 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020503065540.25302.00006799@mb-ci.aol.com>
Source record: 6487

>First they send up an off-the-shelf TNC without thinking about modifying
>the defaults table to the "correct" values for this experiment (the most
>visible effect of this being the station identifying itself as NOCALL),

When I have used the Digipeter, it ID's as RS0ISS... are you talking about the
same thing?
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Beachwood, NJ USA! Grid FM29vw
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

914. Re: ISS Pass Prediction?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-03 14:53:34 UTC
From: Peter O <peter.o@lennik.org>
Message-ID: <3CD2A46E.F2FC5292@lennik.org>
Source record: 6488

VHFRadioBuff wrote:
>
> >First they send up an off-the-shelf TNC without thinking about modifying
> >the defaults table to the "correct" values for this experiment (the most
> >visible effect of this being the station identifying itself as NOCALL),
>
> When I have used the Digipeter, it ID's as RS0ISS... are you talking about the
> same thing?

It's fixed now.

--
Peter O
http://www.lennik.org

After a time, you may find that "having" is not so pleasing a thing,
after all, as "wanting." It is not logical, but it is often true.
-- Spock, "Amok Time", stardate 3372.7

915. Re: HamComm and Com Port problem

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-03 17:22:45 UTC
From: Alan Monty <amon@ukgateway.net>
Message-ID: <20020503.1722.13938@snz.2.10>
Source record: 6489

On Thursday, in article <aas7h0qjj1@nyytiset.pp.htv.fi>
joni_kitar@hot-mail.com.invalid "Joni Kitar" wrote:

> At last we found an old 386 PC and the HC31 program with the old cable could
> receive the Baudot transmission just like before! With our new pc it has not
> succeeded, something has happened to the com ports during the last 3-4
> years, but what?

Some of 'em can't provide the voltage for the interface.

Alan.
--
~~~~~~~~~~~~~~~~~~~~~~~~~ ~
~ Alan Monty ~ Panic now to avoid the rush. ~
~ amon@ukgateway.net ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
~~~~~~~~~~~~~~~~~~~~~~~~~

916. Re: HamComm and Com Port problem

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-03 21:04:33 UTC
From: Robin Gilks <g8ecj@gb7ipd.ampr.org>
Message-ID: <lttuaa.nu6.ln@news.freeserve.net>
Source record: 6490

Joni Kitar wrote:

> At last we found an old 386 PC and the HC31 program with the old cable
> could receive the Baudot transmission just like before! With our new pc it
> has not succeeded, something has happened to the com ports during the last
> 3-4 years, but what?
> - Joni
Two things

Volts on the interface - feed in +12v via a diode to where the existing
diodes provide +12v.

Modern PCs don't use real 8250/16450/16550 UART chips any more - they use
either the Winbond or National SuperIO (or equivalent) chip. These are
supposedly compatible with the older chips but there are areas in the
timer/counter for the PC tick and limited bit values (some don't support 5
or 6 bits/char).

A final possible problem is make sure you are booted into real DOS, not in a
DOS box. The UART drivers operate an emulation of real mode from the ring 0
32 bit windows driver for a DOS box which doesn't behave the same!!

--
Robin

Internet: g8ecj@abmdata.demon.co.uk http://www.gb7ipd.freeserve.co.uk/
Anorak mode = Shack: (+44) 1628 533311 Fax: (+44) 8700 516573
Club pages (g4xyw modem etc) at http://www.tvipug.org

917. Serial cable for M-7000

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-04 15:23:59 UTC
From: Roger Basford <Basford@btinternet.com>
Message-ID: <qjvkgfAP0$08EweD@btinternet.com>
Source record: 6491

Hi,

Anyone out there who has made up their own serial cable for a Universal M-7000 Communications terminal to a PC COM port? The connections are non-standard and the makers and software writers seem reluctant to provide the information.

TIA,
--
Roger Basford

918. TrueTTY 1.92 is released!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-04 18:19:04 UTC
From: amx2@dxsoft.com
Message-ID: <3cd425ba.39131604@news.cis.dfn.de>
Source record: 6492

Hello All,

I just have uploaded TrueTTY 1.92 into the main site and mirror:
http://www.dxsoft.com/truetty.zip
http://www.hamport.com/truetty.zip

Best regards,
Sergei
http://www.dxsoft.com

==========

TrueTTY Versions History

V1.92
The command "File->Open Buffer in Notepad" was made. It saves
receiving
buffer in a temporary file and opens this file by a text editor.
Then you
can view this file or print it. The hotkey of this command is
Ctrl-N.
This command is available in registered version of the software
only.
A bug with the "List index of bounds" message appearing during
editing of
text to transmit was fixed, I hope.
V1.91
The "Setup->Catch Words in Contest Mode" option was made.
In this mode software doesn't use popup-menu to catch word to logger.
TrueTTY recognize callsign or control number automatically.
The "Setup->Beacon Off At Mouse Click" option was made.
If this option is enabled, beacon is switched off by mouse click on
spectrogram, RX window or input window or by key pressed in the input
window.
The "Setup->Continuous Carrier While Idle" option was made.
If this option is enabled, TrueTTY doesn't use idle symbols in RTTY
and ASCII
modes.
Some minor bugs were fixed.
V1.90
UHF-PACKET (1200 Baud) decoding was made.
The "Grid" option was added to context menu to transfer received
QTH-locator to logger.
The 182 Hz shift value was added to the shift menu. This value is
optimal for
interchannel crosstalk reducing at 45.45 Baud speed.

[...]

919. REQ: Advice on packet radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-05 20:58:54 UTC
From: ".waffle" <peter.walster@btinternet.com>
Message-ID: <ab46ee$29r$1@knossos.btinternet.com>
Source record: 6493

Wanna set up Packet Radio (ie HAM radio, but with data transfer) so that my close circle of friends and I (radius of about 3 miles hence not 802.11b) can have our own private network... Maybe even forming a larger network if more people join... Anyone think of a package that would suit us, or even a club we could join in Nottingham? When I say package, I know there isn't a Do all and End All package, I just mean the basic reqs for such a system including licenses etc... Any ideas?

In addition, I would also like speeds in excess of the 1200bps most people talk about, is there anyway of acheiving ~128kbbps? I realise it's very fast, but I mean, if people can do 54Mbps over 802.11b, then I presume it's gotta be EASY to adapt it.. Hasn't it?

Thoughts and ideas, most welcome and indeed encouraged...

Thanks in advance for any input you may be able to provide!

NB) Sorry if I sound somewhat ill-advised, I'm a computer guy, not a HAM radio user, although I am interested in this area too!

--

.waffle
waffle[at]btopenworld.com

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.351 / Virus Database: 197 - Release Date: 19/04/2002

920. Re: REQ: Advice on packet radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-05 22:10:06 UTC
From: Joseph Fenn <jfenn@lava.net>
Message-ID: <Pine.BSI.4.44.0205051204500.29481-100000@malasada.lava.net>
Source record: 6494

Well that speed you mentioned I DOUBT THAT! 9600 baud
Is common on HF, and 1200 Baud is common on VHF.
Straight packed is quite simple on VHF and reliable.
Each make of TNC (thats the controller you need between
your computer and radio) has its own software usually.
Just to startle you a bit, I am still using a Commodore 128
computer on the INTERNET as I type this msg. I also use
Another C128 on the other side of the room for PACKET
(VHF) only. The software is super duper, and was written
in what was called WEST GERMANY back in the late 80's.
It still serves me well.
Shave and a Haircut 8 bits
Joe (aka kilroy)

****
* Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
****

On Sun, 5 May 2002, .waffle wrote:

> Wanna set up Packet Radio (ie HAM radio, but with data transfer) so that my
> close circle of friends and I (radius of about 3 miles hence not 802.11b)
> can have our own private network... Maybe even forming a larger network if
> more people join... Anyone think of a package that would suit us, or even a
> club we could join in Nottingham? When I say package, I know there isn't a
> Do all and End All package, I just mean the basic reqs for such a system
> including licenses etc... Any ideas?
>
> In addition, I would also like speeds in excess of the 1200bps most people
> talk about, is there anyway of acheiving ~128kbbps? I realise it's very
> fast, but I mean, if people can do 54Mbps over 802.11b, then I presume it's
> gotta be EASY to adapt it.. Hasn't it?
>
> Thoughts and ideas, most welcome and indeed encouraged...
>
> Thanks in advance for any input you may be able to provide!
>
>
> NB) Sorry if I sound somewhat ill-advised, I'm a computer guy, not a HAM
> radio user, although I am interested in this area too!
>
> --
>
> .waffle
> waffle[at]btopenworld.com

>
>
> ---
> Outgoing mail is certified Virus Free.
> Checked by AVG anti-virus system (http://www.grisoft.com).
> Version: 6.0.351 / Virus Database: 197 - Release Date: 19/04/2002
>
>
>

921. Re: REQ: Advice on packet radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-05 22:29:30 UTC
From: ".waffle" <peter.walster@btinternet.com>
Message-ID: <ab4bo9$891$1@helle.btinternet.com>
Source record: 6495

Oh right, well, actually I use an Amiga 50% of the time, A1200 to be precise... Good to see taht old style hardware is still used! Anyway, I've been hearing of 76800baud connections mainstream in the USA... Am I being malinformed? Also, a lot seems to be done for Win3.11 style machines circa 1993 onwards... Has the scene come on at all since then? Iw ould have thought that with recent advances in comms technology, that speeds would have spiralled upwards... Anyway, thank you for your input, it has been most useful to me, and I'm sure my friends when they read this. Thank you veyr much.

.waffle

"Joseph Fenn" <jfenn@lava.net> wrote in message
news:Pine.BSI.4.44.0205051204500.29481-100000@malasada.lava.net...
> Well that speed you mentioned I DOUBT THAT! 9600 baud
> Is common on HF, and 1200 Baud is common on VHF.
> Straight packed is quite simple on VHF and reliable.
> Each make of TNC (thats the controller you need between
> your computer and radio) has its own software usually.
> Just to startle you a bit, I am still using a Commodore 128
> computer on the INTERNET as I type this msg. I also use
> Another C128 on the other side of the room for PACKET
> (VHF) only. The software is super duper, and was written
> in what was called WEST GERMANY back in the late 80's.
> It still serves me well.
> Shave and a Haircut 8 bits
> Joe (aka kilroy)
>
>
>
> **
> * Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
> **
>
>
> On Sun, 5 May 2002, .waffle wrote:
>
> > Wanna set up Packet Radio (ie HAM radio, but with data transfer) so that
my
> > close circle of friends and I (radius of about 3 miles hence not
802.11b)
> > can have our own private network... Maybe even forming a larger network
if
> > more people join... Anyone think of a package that would suit us, or
even a

> > club we could join in Nottingham? When I say package, I know there isn't
a
> > Do all and End All package, I just mean the basic reqs for such a system
> > including licenses etc... Any ideas?
> >
> > In addition, I would also like speeds in excess of the 1200bps most
people
> > talk about, is there anyway of acheiving ~128kbbps? I realise it's very
> > fast, but I mean, if people can do 54Mbps over 802.11b, then I presume
it's
> > gotta be EASY to adapt it.. Hasn't it?
> >
> > Thoughts and ideas, most welcome and indeed encouraged...
> >
> > Thanks in advance for any input you may be able to provide!
> >
> >
> > NB) Sorry if I sound somewhat ill-advised, I'm a computer guy, not a HAM
> > radio user, although I am interested in this area too!
> >
> > --
> >
> > .waffle
> > waffle[at]btopenworld.com
> >
> >
> > ---
> > Outgoing mail is certified Virus Free.
> > Checked by AVG anti-virus system (http://www.grisoft.com).
> > Version: 6.0.351 / Virus Database: 197 - Release Date: 19/04/2002
> >
> >
> >
>

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.351 / Virus Database: 197 - Release Date: 19/04/2002

922. Re: ISS Pass Prediction?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-06 01:53:06 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020505215306.00709.00005459@mb-cq.aol.com>
Source record: 6496

>I think these are correct for your location. Note - 'Start Time' is UTC.
>

Thanks for the reply. I found out that I was only listing the VISIBLE passes. I
ahve since corrected that error. Unfortunately I am now looking at a webpage
that lists EVERY ham satellite and when it passes over, instead of just the
ISS, which is really what I want.
=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Beachwood, NJ USA! Grid FM29vw
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

923. Re: REQ: Advice on packet radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-06 07:29:30 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnadcc6p.7do.nomail@linux.pe1chl.ampr.org>
Source record: 6497

.waffle <peter.walster@btinternet.com> wrote:
>Oh right, well, actually I use an Amiga 50% of the time, A1200 to be
>precise... Good to see taht old style hardware is still used! Anyway, I've
>been hearing of 76800baud connections mainstream in the USA... Am I being
>malinformed? Also, a lot seems to be done for Win3.11 style machines circa
>1993 onwards... Has the scene come on at all since then? Iw ould have
>thought that with recent advances in comms technology, that speeds would
>have spiralled upwards... Anyway, thank you for your input, it has been most
>useful to me, and I'm sure my friends when they read this. Thank you veyr
>much.

There hasn't been any spiralling in amateur radio recently, or it should be
the spiralling downward of interest in the packet network.

Just because the commercial guys come up with new techniques and new
applicances does not mean the amateur radio world automatically follows....

Of course you can use such a wireless LAN device as a radio amateur, and
have some privileges that a normal user would not have, but in general the
packet radio network hasn't moved forward since the early ninetees.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

924. Re: Serial cable for M-7000

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-06 09:46:56 UTC
From: ted hay <tedh1@sympatico.ca>
Message-ID: <3CD65110.18B06F2C@sympatico.ca>
Source record: 6498

the information on the pins is in the manual, page 78, appendix 3 of the
Owners manual.

Roger Basford wrote:

> Hi,
>
> Anyone out there who has made up their own serial cable for a Universal
> M-7000 Communications terminal to a PC COM port? The connections are
> non-standard and the makers and software writers seem reluctant to
> provide the information.
>
> TIA,
> --
> Roger Basford

925. Re: Serial cable for M-7000

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-06 13:33:06 UTC
From: Roger Basford <Basford@btinternet.com>
Message-ID: <0kJTBWDSYo18EwkX@btinternet.com>
Source record: 6301

In message <3CD65110.18B06F2C@sympatico.ca>, ted hay
<tedh1@sympatico.ca> writes
>the information on the pins is in the manual, page 78, appendix 3 of the
>Owners manual.
>
>Roger Basford wrote:
>
>> Hi,
>>
>> Anyone out there who has made up their own serial cable for a Universal
>> M-7000 Communications terminal to a PC COM port? The connections are
>> non-standard and the makers and software writers seem reluctant to
>> provide the information.
>>
>> TIA,
>> --
>> Roger Basford

Hi Ted,

Many thanks, I was aware of the page in the manual but was having
problems getting it working. All sorted now.

73,
--
Roger Basford

926. Re: ISS Pass Prediction?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-06 18:18:31 UTC
From: Gary Coffman <ke4zv@bellsouth.net>
Message-ID: <1rhddus1ju6jkb491l9odmg0q1bld9juh0@4ax.com>
Source record: 6499

On 2 May 2002 19:12:06 GMT, nomail@pe1chl.ampr.org (Rob Janssen) wrote:
>They should have sent a Commodore 64 with Baycom instead of the stupid TNC!
>
>Every time I read about this ISS amateur station I wonder if the guys who
>run that experiment have ever considered using experience from earlier
>missions, and their successes and failures, in the next experiment...

The problem is that they have to use hardware that's been certified
for the Shuttle or ISS (a long, tedious, and very expensive process).

Gary

927. Re: PSK-31 on VHF/UHF FM???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-06 18:29:41 UTC
From: Gary Coffman <ke4zv@bellsouth.net>
Message-ID: <heiddug7sg24kv96a5cvurrmqkrh1p62g6@4ax.com>
Source record: 6500

On Thu, 2 May 2002 00:54:12 -0400, "KC8PMX" <kc8pmx@NOSPAMdiamondcs.net> wrote:
>> In other words, PSK31 doesn't make much sense for the use you
>> describe, though it's certainly possible (and I'm sure it's
>> been done already).
>
>Well... yes and no.... If that is the only means I might have in an
>emergency to communicate at the time, I might utilize it. Of course there
>would have to be someone on the other end also.

In that case you'd be better off just using FM voice. As Dana noted, the
problem with using PSK31 over FM is that the wide bandwidth of the
modulation negates the weak signal advantage of PSK31. In other words,
PSK31 works so well in noisy weak signal conditions because it is a very
narrow bandwidth mode (like CW Morse), and can take advantage of
very narrow receive filters to reject most of the noise and interference.
Using FM eliminates that advantage.

Of course if signals are good enough for voice communications on FM,
then PSK31 over FM will work too. But there's no advantage to doing
so. If you just want to play, then fine, but it doesn't bring anything particularly
useful to the table when used that way.

Gary

928. Steel Balls? on www Radio with Dating&Mating Show!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-06 22:38:22 UTC
From: paulerickson99@yahoo.com
Message-ID: <a603cd49.0205061438.1c8da988@posting.google.com>
Source record: 6302
Cross-posted to: alt.radio.uk.talk-radio,alt.radio.uk,rec.radio.amateur.digital.misc,rec.radio.amateur.misc

Paul Erickson MOSB [Man of Steel Balls]
R. Don's Show is studly! Here's what some guy sent him!

Steel Balls is on LIVE365 with Date and Mate Talk Show

This is typical of a guy who finally is FED UP with being lonely, horny and desperate.
The good news? He's fed up thus [subconsciously] ready for R. Don Steele's Steel Balls Principles.

The BAD NEWS? He crushes his ego one more TIME. He destroys any remnant of self-confidence he had left. He smashes his self esteem down to "I am an unattractive loser."

This is one of THE most common SELF-DESTRUCTIVE things guys do. The Steel Balls Principle is "Don't keep doing the same things over and over expecting a different result."

David did exactly what Steele did when he got divorced at age 42. He thought women went to clubs and bars to meet men so he went to clubs and bars to meet them. He dressed for success. He wasted 1.5 years of his life and an estimated $20,000 after tax dollars learning that the woman he wants to meet is not in a bar or club. The females in bars and clubs are looking for Mr. Rite or they are there for all of the purposes explained in How to Date Young Women, Volume 1, none of which are productive or effective for find-meet-talk-date-mate.

David made 5 MAJOR MISTAKES beyond going to a club.

STEELE will explain on the www radio show Tuesday from NOON-1PM PACIFIC time.

David's story is below the intructions on how to tune in and call in to the THRUTH IN DATING AND MATING show.

GO TO http://steelballs.com and CLICK ON LISTEN TO DON ON THE RADIO, that takes you to live365 and Steele's station. Click on the yellow speaker THEN follow the prompts and you are WIRED for Steel Balls Truth in Dating and Mating. Past shows play 24/7. If you can hear the previous shows, you're in there! Click PRESET this station Then the next time you go there just click PRESET and your ready to talk with Don LIVE! 562-696-1313 IT ONLY WORKS when he's on the air LIVE.

Don,

Happy Cinco de Mayo!!

I wanted to see if you?d be able to offer me some feedback. Let me start by giving you a brief on me: I?m a month shy of turning a young 41-yrs; been married once before and was divorced after 8-yrs; I comfortably over this former relationship and able to admit my mistakes. I have been solo for 2-yrs. I?ve dated some women, but not many due to my self-indulgence, moving and career-building. I have also been holding out for someone special?yada, yada.

Here?s my story.

I ended up possibly missing out on one to three different opportunities ? all on the same night. I will try and give you the short version.

I went to a live music club dressed nice, but not totally aware of the type of music the band played ? whether it was danceable or not. After one-and-a-half songs, I decided to dance solo ? as many others, of both genders, were. I didn?t concern myself with what others thought, yet at the same time I was probably giving what appeared to be the few single women there a sample of my abilities ? so they?d have reference if I asked them to dance. This very attractive petite blonde came out and danced by herself. I looked at her a couple of times and thought, ??very cute?. She looked at me, but only very briefly. I thought I?d keep an eye on her every so often to watch for signs of interest ? in clusters, mind you. This lady mainly danced by herself throughout the night. She did dance with a couple of girlfriends and with a guy that appeared to be an old friend, but mainly solo. While dancing, she?d dart a glance at me, but look away quickly. Okay, no interest there. I found her attractive and liked watching her move, but was very discreet in my momentary glances at her. On a few occasions, as she moved to where we were face-to-face, I held my gaze on her long enough so if she looked at me I could reveal my interest. She?d look as she would do every once in a while, but eye contact was again brief with a level look away and gave no return smile. I conveyed no interest, turned away and didn?t focus on her. She began moving closer and closer to me while dancing. Still, when our eyes met it was short and no smile. No problem, she wasn?t the only female there. I wrote it off. The closer she moved towards me while dancing had me a little intrigued. She even removed a section of her clothing. She had like a two-piece top that when the outer layer was removed it revealed a backless halter top that was short as well exposing her mid-section ? very sexy! I never let her see me looking at anything other than her face ? as I waited for a return glance. As before, she?d look, but the same story. She would dance within a foot of me, placing her hands on her hip & swaying very provocatively. Several times while her arms swung as she moved she?d graze me with her hand. Seemed like a sign of interest to me. I watched her as she moved around the dance floor and she did not dance this way in as close of proximity to other guys, but still the short eye contact and no smile. The signs were either inconsistent or incomplete. I thought maybe her non-verbal skills are undeveloped. Naw?, she is not interested; I?m kidding myself. Who doesn?t smile or look at someone if they?re interested? I continued to

be aloof.

The friend of the blonde was dancing by herself almost as much. I looked her way a couple of times and offered a polite smile. She returned some very warm smiles with the ?longer than socially appropriate? eye contact. I thought, ?Great!? I start something with this lady after confusing the signals from the blonde; she gets mad and says something to this other lady. I looked again at the blonde to offer a chance to give me a definitive sign. She looked a moment longer than before, but pulled eyes away while remaining level. Only difference was an ever-so-slight smile this time ? was she a game player?? The signals were just too weak to be certain; maybe I was expecting too much.

Then I began noticing a third lady ? another brunette, like the friend of the blonde, which is more my preference. She also offered long eye contact and very warm smiles. I thought I was creating an illusion, but then I saw it again.

All three women were petite, shapely and adorable. I felt a bit guilty if I abandoned the blonde because I misread her clusters. All three would dance with someone on an occasion. Sometimes these women would dance with guys, but seemingly unattached. The biggest reason I determined they weren?t their boyfriends was they?d all look over their dance-mates shoulder ? to see if I was looking at them [?]; to convey they?re unattached, the situation was temporary and/or they wanted to indicate they still had interest [?].

I tried thinking of situations from the book ? Body Language Secrets, but could only recall seated or standing examples where the women weren?t constantly sought after like a dance-floor situation. I feel like I choked. And to pour more salt on my wound, I did it three times? all in one night! And another topper, they were all babes. It wouldn?t have been as harsh if they were 4?s or 5?s, but they were easily 8?s or very close and very hot!

Any thoughts or ideas that you could offer would be genuinely appreciated!!

David

Here's how you tune in:

http://www.live365.com/stations/227853 click on YELLOW SPEAKER and follow the "instructions" obviously written by a Programmer. Very corn-Fuzing but possible.

Past shows play 24/7. If you can hear the previous shows, you're in there! When Steele goes live it will drop you off and you have to reconnect!?

R. Don Steele, author of Body Language Secrets: A Guide During Courtship and Dating hosts a live call int talk show four times a

week. PACIFIC TIME.

Sundays 5-6 PM
Tuesdays Noon-1PM
Wednesdays 7-8PM,.
Friday 8-9 PM

steelballs.com for excerpts of HOW TO DATE YOUNG WOMEN FOR MEN OVER 35 and photos from BODY LANGUAGE SECRETS. Click on the cover of the book!

929. Re: ISS Pass Prediction?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-07 01:04:51 UTC
From: dnb <dnb@comcastt.net>
Message-ID: <TKFB8.93994$v7.7671826@bin6.nnrp.aus1.giganews.com>
Source record: 6303

I like http://earthobservatory.nasa.gov/MissionControl/overpass.html

930. Re: ISS Pass Prediction?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-07 02:28:24 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020506222824.07586.00006612@mb-ft.aol.com>
Source record: 6304

>You can download freeware software "Satscape" and then you will probably
>find right answer on your question.
>Satscape can update from the web all you need, satelite database, keplerian
>elements and update your computer clock, very fast and accurate.
>Normaly you will have pass prediction, 2D, 3D wiev etc...
>

I've downloaded Satscape and when I try updating the data, I get the error
"Login failed, can't set startup dir to /home/ftp: No such file or directory."

I can't get it through regular FTP either...
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Beachwood, NJ USA! Grid FM29vw
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

931. Kenwood KSC-14 Rapid Charger

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-07 12:41:44 UTC
From: Jim Jaffe <jaffejim@erols.com>
Message-ID: <ab8i2kgbi1@bob.news.rcn.net>
Source record: 6305

Hi... I've got a Kenwood KSC-14 Rapid Charger for sale.. it can charge two Batteries at a time in either Rapid Slow or Trickle Charge mode.. cost over 80 bucks when new and is in absolute Mint Condition. Designed when I bought it for the TH-79A but the inserts can be changed to accommodate different Kenwood HT's (check with Kenwood 1st)
Asking $409.00 and if out of Pick up area $5.00 shipping via UPS brown label. You can reach me via email at:
jaffejim@erols.com or call 718 268 1691 and yes there is a machine attached to the phone and I will answer all calls regardless of area.. Best 73 and thank you for reading this.. Jim, WA2VOS

932. Re: ISS Pass Prediction?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-07 17:25:35 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020507132535.07546.00006579@mb-ft.aol.com>
Source record: 6306

>
>No that probably isn't correct. While you will have fewer passes at 39
>degrees than I have at 52, there should be at least a few every day.
>
>So probably you have your elements wrong.

Actually, we already determined that I was looking at visible passes, not all
passes... it's in the thread.
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Beachwood, NJ USA! Grid FM29vw
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

933. Re: ISS Pass Prediction?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-08 00:47:20 UTC
From: "Jim Shaffer, Jr." <jmshaffer@alltel.net>
Message-ID: <c7tgdu4f241rp5044erod56frj1inp1e8f@4ax.com>
Source record: 6307

On 07 May 2002 02:28:24 GMT, vhfradiobuff@aol.comspamsux (VHFRadioBuff) wrote:

>I've downloaded Satscape and when I try updating the data, I get the error
>"Login failed, can't set startup dir to /home/ftp: No such file or directory."
>
>I can't get it through regular FTP either...

???

Do you have a current version of SatScape, from its own web site rather than some mirror? A few versions ago, it had to be changed to accomodate downloads via http rather than ftp, because the maintainer of the data decided that ftp was insecure for some reason.

934. Re: ISS Pass Prediction?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-08 02:02:07 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020507220207.10546.00006642@mb-ml.aol.com>
Source record: 6308

>Do you have a current version of SatScape, from its own web site rather than
>some mirror? A few versions ago, it had to be changed to accomodate
>downloads
>via http rather than ftp, because the maintainer of the data decided that ftp
>was insecure for some reason.

Do you have the homepage for Satscape?
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Beachwood, NJ USA! Grid FM29vw
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

935. Re: ISS Pass Prediction?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-08 05:00:21 UTC
From: "Jim Shaffer, Jr." <jmshaffer@alltel.net>
Message-ID: <85chdugaoak33qqdc5465jtjjqheoj9rkf@4ax.com>
Source record: 6309

On 08 May 2002 02:02:07 GMT, vhfradiobuff@aol.comspamsux (VHFRadioBuff) wrote:

>Do you have the homepage for Satscape?

www.satscape.co.uk

The current version is 1.87; I just tried updating the data files with 1.86 and it worked fine. I don't remember which version was the one that switched from ftp to http.

936. Re: ISS Pass Prediction?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-08 07:26:46 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnadhkpm.o2f.nomail@linux.pe1chl.ampr.org>
Source record: 6310

Jim Shaffer, Jr. <jmshaffer@alltel.net> wrote:
>On 07 May 2002 02:28:24 GMT, vhfradiobuff@aol.comspamsux (VHFRadioBuff) wrote:

>>I've downloaded Satscape and when I try updating the data, I get the error
>>"Login failed, can't set startup dir to /home/ftp: No such file or directory."

>>I can't get it through regular FTP either...

>???

>Do you have a current version of SatScape, from its own web site rather than
>some mirror? A few versions ago, it had to be changed to accomodate downloads
>via http rather than ftp, because the maintainer of the data decided that ftp
>was insecure for some reason.

If this is about downloading from celestrak, it has nothing to do with the
maintainer of the data. It was the maintainer's ISP that decided that ftp
would be closed "because it was insecure", even though the maintainer was
opposed to that.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

937. Help

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-08 21:27:58 UTC
From: Michael <michaelcronin@earthlink.net>
Message-ID: <yLgC8.1121$Q76.78781@newsread2.prod.itd.earthlink.net>
Source record: 6311

I'm looking for a set of instructions for a Shinwa SR-001 scanner. The company is now out of business.
michaelcronin@earthlink.net.

938. FS: Kenwood Rapid Charger

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-09 07:18:18 UTC
From: Jim Jaffe <jaffejim@erols.com>
Message-ID: <abd7rsmpp1@bob.news.rcn.net>
Source record: 6312

Hi... I've got a Kenwood KSC-14 Rapid Charger for sale.. it can charge two Batteries at a time in either Rapid Slow or Trickle Charge mode.. cost over 80 bucks when new and is in absolute Mint Condition. Designed when I bought it for the TH-79A but the inserts can be changed to accommodate different Kenwood HT's (check with Kenwood 1st)
Asking $40.00 and if out of Pick up area $5.00 shipping via UPS brown label. You can reach me via email at:
jaffejim@erols.com or call 718 268 1691 and yes there is a machine attached to the phone and I will answer all calls regardless of area.. Best 73 and thank you for reading this.. Jim, WA2VOS

939. FS: Kenwood Rapid Charger

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-09 07:20:33 UTC
From: Jim Jaffe <jaffejim@erols.com>
Message-ID: <abd803$mv6$1@bob.news.rcn.net>
Source record: 6313

Hi... I've got a Kenwood KSC-14 Rapid Charger for sale.. it can charge two Batteries at a time in either Rapid Slow or Trickle Charge mode.. cost over 80 bucks when new and is in absolute Mint Condition. Designed when I bought it for the TH-79A but the inserts can be changed to accommodate different Kenwood HT's (check with Kenwood 1st)
Asking $40.00 and if out of Pick up area $5.00 shipping via UPS brown label. You can reach me via email at:
jaffejim@erols.com or call 718 268 1691 and yes there is a machine attached to the phone and I will answer all calls regardless of area.. Best 73 and thank you for reading this.. Jim, WA2VOS

940. UIview

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-09 17:21:28 UTC
From: Ole <la5oga@chello.no>
Message-ID: <seyC8.165$pp1.4967@news01.chello.no>
Source record: 6314

How can I make my Kenwood TM-D700
work with UIView32 ?

--

Hilsen Ole
la5oga@chello.no

941. Re: Ulview

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-09 19:40:25 UTC
From: Roger Barker <roger@peaksys.co.uk>
Message-ID: <6wY9SWApCt28Ews+@peaksys.co.uk>
Source record: 6315
Cross-posted to: rec.radio.amateur.digital.misc,alt.ham-radio.packet

In article <seyC8.165$pp1.4967@news01.chello.no>, Ole <la5oga@chello.no>
writes
>How can I make my Kenwood TM-D700
>work with UIView32 ?

It's so easy to get UI-View working, either in terminal mode or KISS
mode, with a TM-D700, that it is difficulty to understand how anyone
could possibly have a problem with it. Assuming all the hardware is
working properly, then setting it up takes only a few seconds.

UI-View even has a TM-D700 command file that can initialise the radio
from any state, even if the user hasn't put it into TNC PKT mode.

To be able to help any more, you're going to have to provide some more
information as to what comms settings you are using.

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

942. Re: ISS Pass Prediction?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-09 20:40:17 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020509164017.22971.00005776@mb-cn.aol.com>
Source record: 6317

>The current version is 1.87;

I have 1.83... downloading 1.87 now.. :)
=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Beachwood, NJ USA! Grid FM29vw
http://vhfradiobuff.tripod.com
http://edfas.tripod.com

943. KF7XP, G Johnson, please where are you ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-09 22:23:59 UTC
From: Ray Delaforce <ray.101@ntlworld.com>
Message-ID: <3CDAF6FF.1BC5B47C@ntlworld.com>
Source record: 6316

Hi,

Does anybody know how I can contact KF7XP ?
I've tried the Email address on his current web-site but I just get an
undeliverable error!

I'd very much like to get in touch regarding a serial number for the DOS
version of his Xpware program (version 1.6)

Many thanks.

Ray (g6ujb)

944. MixW 2.05 now Available for downloading for all

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-11 00:18:26 UTC
From: Jim Jaffe <jaffejim@erols.com>
Message-ID: <abho0k$211$1@bob.news.rcn.net>
Source record: 6318

Hi Fellow Warblers.. I'm happy to announce that MixW 2.05 "World's Best" is
now available for downloading for all to enjoy..
The Website address is: www.nvbb.net/~jaffejim/mixwpage.htm
The following below are the changes from 2.04 to 205 good luck and have
fun.. Best 73 Jim, WA2VOS

MixW 2.05:

- YAPP file transfer support for PACKET mode.
Crash recovery is supported.
See File - Yapp menu:
- "Auto receive" turns on the feature when MixW automatically opens
YAPP Receive window when remote station starts sending a file.
- "Crash recovery" turns on YAPP protocol extension to be able to
resume partially received files.

- LPT port support for paddle input and PTT/CW output (TRLog-compatible).
See Configure - LPT port settings. Go to CW settings dialog
to turn on the LPT paddle.

- Telnet window is implemented to access DxClusters via telnet
See View - Telnet window menu. See "EA7URC_DXC.scr" as an example
how to automatically login to a node. To automatically run this
script when Telnet window opens, define OnOpenTelnetWindow macro
as follows:
Macro: OnOpenTelnetWindow
Label: - doesn't matter -
Text: <TELNETSCRIPT:EA7URC_DXC.scr>

- optional "Check QSL" flag is added to the DxCluster dialog.
(see system menu in that dialog)

- PACTOR-1 LP mode is added, RX only :-(

- Telnet dialog is implemented to access DxClusters via telnet.

- DxCluster dialog:
- WWV page can be called.
- Modified Settings dialog.
- Font selection is added.

- Memory dialog is added to watch Ctrl+1..10, Sh+Ctrl+1..10 channels.
See menu Options.

- SSTV FSKID is added, compatible with MMSSTV, turned on by default,
recommended, can be turned off in SSTV mode settings.

- Search result:
- column widths are remembered.
- Esc returns to the previous dialog.
- Set QSL Rcvd, Set QSL Sent added to the local menu. That allows input multiple QSLs at a time.

- Log bar resize: doubleclick on the edge of logbar, resize, doubleclick again.

- New macros:
- OnOpenTncWindow, OnCloseTncWindow, OnOpenTelnetWindow, OnCloseTelnetWindow, use these macros to run specified commands when TNC or Telnet window opens or closes.
- <CLOSERXWINDOWS> closes all opened secondary RX windows
- <YAPPRECV>, <YAPPSEND>, <YAPPSEND:filename> - YAPP support
- <MYMAINCALL> returns callsign stripped from "/P"."/QRP" etc.
- SSTV specific macros:
- <LOCKMODE>, <UNLOCKMODE> - lock/unlock current SSTV mode
- <PUTRXPICT:x0:y0:x1:y1> - put received picture into the specified rect
- <PLACETEXT:x:y>, <PLACETEXT:x:y:text> - place text to specified x,y
- <TEXTSTYLE:n> - set current text style
- <TNCSCRIPT:filename>, <TELNETSCRIPT:filename> - run script file in 2nd TNC or Telnet window.

945. help with decoding trunking police telecom

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-11 00:55:08 UTC
From: gervais <gfillio1@globetrotter.net>
Message-ID: <MZZC8.524$0q1.50388@charlie>
Source record: 6319

hi all,
well i wonder if any of you ever heard of a way to decode
the Motorola Trunking system via a software and a soundcard ?
According to what i found in the internet ,there is no scanner available
that is capable of decoding this signal.

can anyone help me,i was thinking of a soundcard,with a pc connect to a
scanner,speaker outlet,and the software would decode this transmission,did
it exist?

thanks for the help
gervais

946. Re: Advice on packet radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-11 08:33:34 UTC
From: Roger Conroy <rogerconroy@nospam.hotmail.com>
Message-ID: <abil5dhtn1@ctb-nnrp2.saix.net>
Source record: 6320

Snip------

> In addition, I would also like speeds in excess of the 1200bps most people
> talk about, is there anyway of acheiving ~128kbbps? I realise it's very
> fast, but I mean, if people can do 54Mbps over 802.11b, then I presume
it's
> gotta be EASY to adapt it.. Hasn't it?

Snip------

Its anything BUT easy! A 802.11b signal is spread over an extremely wide bandwidth - I'm not sure of the exact number but I guess it's at least several tens (if not hundreds) of megahertz. There's practically nowhere in any part of the regulated radio spectrum where you can do that with more than a very low power transmitter - which is exactly what 802.11b does. If you and your friends are close enough and at fixed positions - and very high bit-rate is an absolute necessity - you might consider using lasers beamed at each other through telescopes. It should work over a couple of miles - provided you have clear line of sight. You'll just have to check on the power limits allowed for open air laser beams.

73
Roger ZR1RC

947. WTB: Max232 IC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-11 23:57:52 UTC
From: Rick and Theresa <n6cy@earthlink.net>
Message-ID: <4eiD8.4403$Nt3.329160@newsread2.prod.itd.earthlink.net>
Source record: 6321
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.swap

Looking for a few of these versatile level converters. Anyone got 'em? Will buy or perhaps trade small stuff in the shack.

TIA,
Rick N6CY
San Diego

948. Re: Max232 IC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-12 00:59:00 UTC
From: ve3tmt <ve3tmt@rac.ca>
Message-ID: <P5jD8.10578$J46.2253533@news20.bellglobal.com>
Source record: 6322
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.swap

Rick,

I've got a spare, but I'm way up here in Ontario Canada. You should try www.mouser.com

Max

949. TS450SAT and HF digital terminal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-12 03:23:19 UTC
From: Martin Arsenault <ve2bqa@arrl.net>
Message-ID: <3CDDE027.A39F746B@arrl.net>
Source record: 6323

Hi,

I've bought a used TS450 (for 750$CAN...excellent deal!) and I want to used it for digital communication. I've heard some people talking about a problem with audio distortion when connected to a digital terminal like PK232 and Kantronic equipment. Is that right? Somebody could explain me the problem with more details?

I've another question, I've got a KPC3 that I use for 2M digital communication. I think it's a very good product useful and very user friendly. So, I'm looking for a HF digital terminal useful like the KPC3. Could somebody can give me some comments on those that are on the market like Kam98, KamXL, PK232MBX ???

I want to try some new (new for me) digitals mode like RTTY, PSK31, AMTOR, PACTOR, etc.

Thanks for your comments!

Best 73's from VE2BQA, Martin
Montreal, Canada

950. Re: WTB: Max232 IC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-12 03:30:35 UTC
From: Bruce Lane <nanae0.5.kyrrin@spamgourmet.com>
Message-ID: <MPG.174781b3dcba5f7d989885@news.drizzle.com>
Source record: 6324
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.swap

In article <4eiD8.4403$Nt3.329160@newsread2.prod.itd.earthlink.net>,
n6cy@earthlink.net says...

> Looking for a few of these versatile level converters. Anyone got 'em? Will
> buy or perhaps trade small stuff in the shack.

http://www.digikey.com

Alternatively, a visit to http://www.maxim.com should be able to
net you a couple of samples.

--
Bruce Lane, Owner and Head Hardware Heavy,
Blue Feather Technologies -- http://www.bluefeathertech.com
Amateur Radio: KC7GR (Formerly WD6EOS) since 12-77.
kyrrin (a/t) bluefeathertech dot-com (Reassemble to use)
"I'll get a life when someone demonstrates to me it would be superior to
what I have now..." (Taki Kogoma)

951. Re: Max232 IC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-12 04:42:08 UTC
From: Rick and Theresa <n6cy@earthlink.net>
Message-ID: <AomD8.1248$X%5.495@newsread1.prod.itd.earthlink.net>
Source record: 6325
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.swap

Thanks all for the tips. I'm off searching the web...
73 Rick N6CY

"Rick and Theresa" <n6cy@earthlink.net> wrote in message
news:4eiD8.4403$Nt3.329160@newsread2.prod.itd.earthlink.net...
> Looking for a few of these versatile level converters. Anyone got 'em?
Will
> buy or perhaps trade small stuff in the shack.
>
> TIA,
> Rick N6CY
> San Diego
>
>

952. Re: WTB: Max232 IC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-12 11:28:41 UTC
From: Rich Osman <Rich@Osman.com>
Message-ID: <3CDE51E9.12375011@Osman.com>
Source record: 6326
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.swap

Mouser, DigiKey, and most small electronic parts stores stock them. There are several hobbyist shops in SD that stock this sort of thing. I've been in them with friends, but can't recall names or locations. You get some more local guidance.

Rick and Theresa wrote:

> Looking for a few of these versatile level converters. Anyone got 'em? Will
> buy or perhaps trade small stuff in the shack.
>
> TIA,
> Rick N6CY
> San Diego

--
mailto:Rich@Osman.com http://www.rich.osman.com
Rich Osman; POB 93167; Southlake, TX 76092 (Near DFW Airport) ARS: N1OZ

If you receive something that says "Send this to everyone you know,"
PLEASE pretend you don't know me.

953. Re: Max232 IC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-12 12:11:09 UTC
From: "Bob M." <xxxxx@yyyy.zzz>
Message-ID: <xZsD8.151507$v7.14155980@bin6.nnrp.aus1.giganews.com>
Source record: 6327
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.swap

Maxim will GIVE you a few samples of any IC they make. Contact them directly
or via e-mail.

Bob M.
======
"Rick and Theresa" <n6cy@earthlink.net> wrote in message
news:AomD8.1248$X%5.495@newsread1.prod.itd.earthlink.net...
> Thanks all for the tips. I'm off searching the web...
> 73 Rick N6CY
>
> "Rick and Theresa" <n6cy@earthlink.net> wrote in message
> news:4eiD8.4403$Nt3.329160@newsread2.prod.itd.earthlink.net...
> > Looking for a few of these versatile level converters. Anyone got 'em?
> Will
> > buy or perhaps trade small stuff in the shack.
> >
> > TIA,
> > Rick N6CY
> > San Diego
> >
> >
>
>
>

954. Re: TS450SAT and HF digital terminal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-12 17:55:10 UTC
From: Rob <Pse@NoEmail.Com>
Message-ID: <60yD8.12207$a04.56061@tor-nn1.netcom.ca>
Source record: 6329

Hi Martin,

I cannot comment on the TS450 but I can comment on the various options available today to get into the digital modes.

You may want too first try to get into the digital modes using a computer with a sound card. All you need is a simple interface to connect the sound card to your rig. You can buy a commercial unit like RigBlaster or the MFJ unit or you can build your own with parts from RadioShack. The interface only consists of a few parts. Then use some of the great FREE software out there. Below is a brief list

MMTTY for RTTY -- see www.qsl.net/mmhamsoft
AGW Packet Engine for 300 baud HF packet or 1200/9600 baud VHF packet
Hamscope for RTTY, MFSK16, PSK31 and packet
Digipan for PSK31
MT63 by IZ8BLY for the MT63 mode
STREAM for MFSK16 and PSK31
Zakanaka for RTTY and PSK31
WinWarbler for RTTY and PSK31

There is a lot more FREE software out there. Just search the internet and download the program!

The best all in one multimode FREE software program for the soundcard is Hamscope.

The only other really good multimode program for the soundcard is MixW32 by UT2UZ but it is shareware. MixW32 supports the most modes in one software package.

The sound card approach is great BUT you will be out of luck if you want to run AMTOR or PACTOR. If you are interested in these BURST modes you will need a Multimode controller like the PK232, Pk-900, KAM or the SCS PTC units.

In my experience the PK232 or the PK-900 do a better job at AMTOR and PACTOR 1 than the KAM or KAM Plus. (I have not tried the new KAM XL). But if you want to use the PACTOR II mode (or the Pactor III mode), you will need a SCS PTC II, PTC IIe or PTC II Pro. Great units but pricey. see www.scs-ptc.com. Pactor II is VERY fast and reliable.

You may also want to look at the HAL DXP-38. It supports RTTY, AMTOR, Hal's CLOVER II mode and HAL's P-Mode. The P-mode is supposed to be compatible with PACTOR 1. When I last tried the Hal's P-mode it was a little buggy. Links would drop unexpectedly but perhaps it is more reliable with Hal's new firmware updates. Unlike many other TNC's, HAL supplies Windows software

for your PC with the DXP-38. You can even run PSK31 using this software with your sound card. It is not a bad deal for a new TNC. But CLOVER II has not really taken off. Pactor (especially the newer Pactor II mode) is much more common. (see www.halcomm.com)

But if you want to save $$, try the sound card approach. I think you will find that your computer's sound card will outperform many multimode controllers on the market! But If you want to run AMTOR or PACTOR I, you will need a multimode controller. Buy a second hand PK-900, PK-232 or KAM off EBAY.

Good luck,

Rob

"Martin Arsenault" <ve2bqa@arrl.net> wrote in message
news:3CDDE027.A39F746B@arrl.net...
> Hi,
>
> I've bought a used TS450 (for 750$CAN...excellent deal!) and I want to
used it
> for digital communication. I've heard some people talking about a problem
with
> audio distortion when connected to a digital terminal like PK232 and
Kantronic
> equipment. Is that right? Somebody could explain me the problem with more
> details?
>
> I've another question, I've got a KPC3 that I use for 2M digital
communication.
> I think it's a very good product useful and very user friendly. So, I'm
looking
> for a HF digital terminal useful like the KPC3. Could somebody can give me
some
> comments on those that are on the market like Kam98, KamXL, PK232MBX ???
>
> I want to try some new (new for me) digitals mode like RTTY, PSK31, AMTOR,
> PACTOR, etc.
>
> Thanks for your comments!
>
> Best 73's from VE2BQA, Martin
> Montreal, Canada
>
>

955. Kantronics Data Engine audio level question

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-12 21:16:13 UTC
From: Ron <no.spam@please.99>
Message-ID: <kzwD8.2220$0A1.30604@eagle.america.net>
Source record: 6328

In the manual for the 1200 baud modem it says that the audio output level is set by jumpers. The default is 50 millivolts p-p. That would mean 25 millivolts above the line and 25 millivolts below. This would convert into 0.707 x 25 mv = 18 millivolts RMS.

I have some doubt about this. I would beieve 36 millivolts RMS (meaning I think they should have said 100 millivolts p-p), 18 seems pretty low for typical drive for a radio, so I am thinking their description is not accurate.

I would measure this if I had one available, but does any one know from experience what the actual level is?

Please reply to the group or at my address at November Five India November at the ARRL NET. I am trying (so far unsuccessfuly to avoid spammers picking up my address)

Ron N5IN

956. Re: TS450SAT and HF digital terminal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-12 21:16:50 UTC
From: "J." <me@AvoidSpam.com>
Message-ID: <Xns920CAFF6E87DCjacques1magmaca@64.26.141.46>
Source record: 6330

Martin Arsenault <ve2bqa@arrl.net> wrote in
news:3CDDE027.A39F746B@arrl.net:

> Hi,
>
> I've bought a used TS450 (for 750$CAN...excellent deal!) and I want to
> used it for digital communication. I've heard some people talking about
> a problem with audio distortion when connected to a digital terminal
> like PK232 and Kantronic equipment. Is that right? Somebody could
> explain me the problem with more details?
>
> I've another question, I've got a KPC3 that I use for 2M digital
> communication. I think it's a very good product useful and very user
> friendly. So, I'm looking for a HF digital terminal useful like the
> KPC3. Could somebody can give me some comments on those that are on the
> market like Kam98, KamXL, PK232MBX ???
>
> I want to try some new (new for me) digitals mode like RTTY, PSK31,
> AMTOR, PACTOR, etc.
>
> Thanks for your comments!
>
> Best 73's from VE2BQA, Martin
> Montreal, Canada
>
>
>

Look For XPWin (XPWare). It allows all the modes, cam be used with a
variety of TNCs and has a 100 free use before registering is required.

Jacques VE3TSC

957. Re: ISS Pass Prediction?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-13 10:52:53 UTC
From: Roger Conroy <rogerconroy@nospam.hotmail.com>
Message-ID: <abo61b$1ja$1@ctb-nnrp2.saix.net>
Source record: 6331

When Space Cadet Shuttleworth was there he remarked that they could use a serious upgrade of almost all the computer systems on board - he even offered to give it to them.

73
Roger ZR1RC

"Gary Coffman" <ke4zv@bellsouth.net> wrote in message news:1rhddus1ju6jkb491l9odmg0q1bld9juh0@4ax.com...
> On 2 May 2002 19:12:06 GMT, nomail@pe1chl.ampr.org (Rob Janssen) wrote:
> >They should have sent a Commodore 64 with Baycom instead of the stupid TNC!
> >
> >Every time I read about this ISS amateur station I wonder if the guys who
> >run that experiment have ever considered using experience from earlier
> >missions, and their successes and failures, in the next experiment...
>
> The problem is that they have to use hardware that's been certified
> for the Shuttle or ISS (a long, tedious, and very expensive process).
>
> Gary
>

958. FS: eBay - Complete VHF Packet Radio Station, AEA PK12 etc

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-13 17:02:49 UTC
From: TheSimpsons <TheSimpsonsatwhsmithnet.co.uk>
Message-ID: <3cdff1bc$1_1@news1.vip.uk.com>
Source record: 6332
Cross-posted to: rec.radio.amateur.digital.misc,uk.radio.amateur,rec.radio.amateur.equipment

Complete VHF Packet Radio Station, AEA PK12 and Azden 2M FM Transceiver C/W
all leads for sale on eBay
Item # 1351406361

This Auction only has a few hours left to run.

Click here. . . .

http://cgi.ebay.co.uk/ws/eBayISAPI.dll?ViewItem&item=1351406361&ssPageName=A
DME:B:SS:UK:1

If this email offends then I apologise. This is my personal equipment for
sale. I'm selling so that I can buy a HF TNC to enhance my joy of the hobby
and hopefully the person who buys my old kit will enhance his (or her) joy
also.

Steve.

959. WiRES

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-14 02:14:38 UTC
From: Harold <hsnyder@houston.flightlessbird.com>
Message-ID: <iq_D8.6707$9z5.785773@typhoon.austin.rr.com>
Source record: 6333

Yaesu is advertising a new model HT that features somthing called WiRES (Wide coverage Internet Repeater Enhancement System). I haven't found any information on the web or in emails to dealers.

Does anyone know what this is about?

Harold
WD5KCA

960. how to connect a soundcard on a transceiver

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-14 03:12:52 UTC
From: gervais <gfillio1@globetrotter.net>
Message-ID: <Ug%D8.37$7h.17322@charlie>
Source record: 6334

hi all,well thanks for reading .
i am looking for a web site dedicated on the shematics of
the way to connect various radios on soundcard?
i have no expereince what soever on this ,so any help
will be apprecited

73/s
ve2ckn,gervais fillion
bic,quebec

961. New AX.25 1200 Baud USB Beacon on 28.128.0

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-14 03:24:46 UTC
From: Terry Bendell <ve3tkb@sympatico.ca>
Message-ID: <B905FBBD.202C%ve3tkb@sympatico.ca>
Source record: 6336

Greetings,

I have joined Beaconet and installed a 1200 Baud USB Packet Beacon
on 28.128.0 Mhz (Ten meters). Running a huge 15 watts into
a vertical antenna at 25 foot elevation.

I will QSL anyone copying this beacons text/message to me.

73

Terry

VE3TKB

ve3tkb@sympatico.ca

962. Re: how to connect a soundcard on a transceiver

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-14 03:25:50 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <1t%D8.1229$xr2.85675381@newssvr14.news.prodigy.com>
Source record: 6335

www.packetradio.com

Charles, N5PVlL

"gervais" <gfillio1@globetrotter.net> wrote in message
news:Ug%D8.37$7h.17322@charlie...
> hi all,well thanks for reading .
> i am looking for a web site dedicated on the shematics of
> the way to connect various radios on soundcard?
> i have no expereince what soever on this ,so any help
> will be apprecited
>
> 73/s
> ve2ckn,gervais fillion
> bic,quebec
>
>
>

963. Re: New AX.25 1200 Baud USB Beacon on 28.128.0

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-14 09:11:05 UTC
From: J <jca1954@iprimus.com.au>
Message-ID: <3ce0d4c8_1@news.iprimus.com.au>
Source record: 6337

29.128.0 - MODE ??
"Terry Bendell" <ve3tkb@sympatico.ca> wrote in message
news:B905FBBD.202C%ve3tkb@sympatico.ca...
> Greetings,
>
> I have joined Beaconet and installed a 1200 Baud USB Packet Beacon
> on 28.128.0 Mhz (Ten meters). Running a huge 15 watts into
> a vertical antenna at 25 foot elevation.
>
> I will QSL anyone copying this beacons text/message to me.
>
> 73
>
> Terry
>
> VE3TKB
>
>
> ve3tkb@sympatico.ca
>
>

964. Re: how to connect a soundcard on a transceiver

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-14 09:23:00 UTC
From: Martin <mab@delete-this.capita.nildram.co.uk>
Message-ID: <ue1lpifo8mqm23@corp.supernews.com>
Source record: 6338

Don't rush into buying or building any of the complex
"interfaces" until you have tried the simple solution...

Download the evaluation copy of MiXW plus its
help files from www.mixw.net - the help file includes a
lot of good info on connecting radios to computers and
MixW is a good package to learn on even if you subsequently
decide to use one of the completely free packages later.

My only criticism of the advice given in the MixW files is that
they really do not attach enough importance to filtering and
decoupling - computers generate an awful lot of RF noise which
can really wipe out weak signals. At least with my laptop, all
that was necessary was to wind several turns of each cable
round a medium sized ferrite ring near the connections with the
radio - that got the noise level down to acceptable levels. You
may find that you are less lucky and that this is not enough,
in which case you may need to look at the commercial
interfaces such as RigBlaster etc. but try the direct hookup
first...

Martin (G8FXC & M3ABL)

"gervais" <gfillio1@globetrotter.net> wrote in message
news:Ug%D8.37$7h.17322@charlie...
> hi all,well thanks for reading .
> i am looking for a web site dedicated on the shematics of
> the way to connect various radios on soundcard?
> i have no expereince what soever on this ,so any help
> will be apprecited
>
> 73/s
> ve2ckn,gervais fillion
> bic,quebec
>
>
>

965. Re: New AX.25 1200 Baud USB Beacon on 28.128.0

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-14 09:56:08 UTC
From: Terry Bendell <ve3tkb@sympatico.ca>
Message-ID: <B9065777.205C%ve3tkb@sympatico.ca>
Source record: 6339

The Mode is 1200 Baud Packet USB as per the Subject.

Would be nice if you could copy it in .au Land!

73

Terry

in article 3ce0d4c8_1@news.iprimus.com.au, J at jca1954@iprimus.com.au wrote
on 5/14/02 5:11 AM:

> 29.128.0 - MODE ??
> "Terry Bendell" <ve3tkb@sympatico.ca> wrote in message
> news:B905FBBD.202C%ve3tkb@sympatico.ca...
>> Greetings,
>>
>> I have joined Beaconet and installed a 1200 Baud USB Packet Beacon
>> on 28.128.0 Mhz (Ten meters). Running a huge 15 watts into
>> a vertical antenna at 25 foot elevation.
>>
>> I will QSL anyone copying this beacons text/message to me.
>>
>> 73
>>
>> Terry
>>
>> VE3TKB
>>
>>
>> ve3tkb@sympatico.ca
>>
>>
>
>

966. Re: New AX.25 1200 Baud USB Beacon on 28.128.0

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-14 10:03:15 UTC
From: Ian Wade <ian.wade@netro.co.uk>
Message-ID: <J3pPMgAjDO48EwLV@netro.co.uk>
Source record: 6340

In message <B905FBBD.202C%ve3tkb@sympatico.ca>, Terry Bendell
<ve3tkb@sympatico.ca> writes
>Greetings,
>
>I have joined Beaconet and installed a 1200 Baud USB Packet Beacon
>on 28.128.0 Mhz (Ten meters).

What frequency, Terry? 28.128.0 USB doesn't tell me how to set my
receiver unless I know the modulating tones.

--
73
Ian, G3NRW

Author of "NOSintro -- TCP/IP over Packet Radio"
http://www.ian.wade.care4free.net/nosintro.htm

967. Re: KF7XP, G Johnson, please where are you ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-14 13:17:35 UTC
From: Gary Johnson <xpware@cox.net>
Message-ID: <lh32euo8g0v3nu4qft30t15n62c5amrhhq@4ax.com>
Source record: 6341

On Thu, 09 May 2002 22:23:59 +0000, Ray Delaforce
<ray.101@ntlworld.com> wrote:

>Hi,
>
>Does anybody know how I can contact KF7XP ?
>I've tried the Email address on his current web-site but I just get an
>undeliverable error!
>
>I'd very much like to get in touch regarding a serial number for the DOS
>version of his Xpware program (version 1.6)
>
>Many thanks.
>
>Ray (g6ujb)

You can contact me at xpware@cox.net. I will update web site.
@home went under a while back and I am still getting things sorted out
here.

73 Gary

968. Re: WiRES

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-14 14:55:35 UTC
From: xpyttl <xpyttl_nospam@earthling.net>
Message-ID: <ue29qsgoter7a1@corp.supernews.com>
Source record: 6343

Check out the latest QST.

"Harold" <hsnyder@houston.flightlessbird.com> wrote in message
news:iq_D8.6707$9z5.785773@typhoon.austin.rr.com...
> Yaesu is advertising a new model HT that features somthing called WiRES
> (Wide coverage Internet Repeater Enhancement System). I haven't found any
> information on the web or in emails to dealers.
>
> Does anyone know what this is about?
>
> Harold
> WD5KCA
>
>
>
>

969. Re: how to connect a soundcard on a transceiver

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-14 15:03:45 UTC
From: xpyttl <xpyttl_nospam@earthling.net>
Message-ID: <ue29qtfkpvdka3@corp.supernews.com>
Source record: 6342

"Martin" <mab@delete-this.capita.nildram.co.uk> wrote in message
news:ue1lpifo8mqm23@corp.supernews.com...
> Don't rush into buying or building any of the complex
> "interfaces" until you have tried the simple solution...

Boy, amen to that! The connections are terribly simple. The expensive box can perhaps be a win when you have bunches of stuff to connect and need to bring some order into it, but if you just want to run PSK or whatever, run a couple of wires. If you're the real nervous type, maybe an optical isolator on the T/R line. That's about it.

The bit about MixW is a good one. If you are just starting out, I would make a cable from the radio's speaker (or audio out if it has one) into the line input on your soundcard and start by receiving PSK and SSTV. Depending on the rig, you probably can buy a cable at Radio Shack if you are terribly frightened of soldering irons. But for around five bucks you can at least see if any of the digital modes appeals to you. Then decide whether a little soldering is worth it, or maybe you want to go ahead and spend the bucks on a box. Nothing wrong with the box, just a lot of $$ for little function.

..

970. Re: how to connect a soundcard on a transceiver

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-14 16:00:26 UTC
From: KA9CAR <nospam@nospam.usa>
Message-ID: <abrc7a$12m4$1@news1.tribune.com>
Source record: 6344

Here is how I did mine. My (Kachina) uses balanced audio in. Previously I used the same style interface on an unblanced input. On some rigs I have found it beneficial to use a POT on the computer audio out line. Right now I am going simple. Out of the sound card speaker plug, I have a Y cable, to feed the speakers and the rig. I used a Radio shack inline headphone volume control to attenuate the signal to the radio a bit.
http://user.mc.net/~jdewey/KACHINA/sound_card_interface.jpg
http://user.mc.net/~jdewey/KACHINA/description.txt

KA9CAR

gervais <gfillio1@globetrotter.net> wrote in message news:Ug%D8.37$7h.17322@charlie...
> hi all,well thanks for reading .
> i am looking for a web site dedicated on the shematics of
> the way to connect various radios on soundcard?
> i have no expereince what soever on this ,so any help
> will be apprecited
>
> 73/s
> ve2ckn,gervais fillion
> bic,quebec
>
>
>

971. Re: New AX.25 1200 Baud USB Beacon on 28.128.0

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-15 00:58:40 UTC
From: "J. Duffy Beischel" <jduffy@zoomtown.com>
Message-ID: <ue3cs7qakaer5c@corp.supernews.com>
Source record: 6345

Worked for me. I set the receiver at 28.128 USB and there it was!

"Ian Wade" <ian.wade@netro.co.uk> wrote in message
news:J3pPMgAjDO48EwLV@netro.co.uk...
> In message <B905FBBD.202C%ve3tkb@sympatico.ca>, Terry Bendell
> <ve3tkb@sympatico.ca> writes
> >Greetings,
> >
> >I have joined Beaconet and installed a 1200 Baud USB Packet Beacon
> >on 28.128.0 Mhz (Ten meters).
>
> What frequency, Terry? 28.128.0 USB doesn't tell me how to set my
> receiver unless I know the modulating tones.
>
> --
> 73
> Ian, G3NRW
>
> Author of "NOSintro -- TCP/IP over Packet Radio"
> http://www.ian.wade.care4free.net/nosintro.htm

972. APRS HowTo?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-15 14:52:41 UTC
From: zirconx9@yahoo.com
Message-ID: <e7d49913.0205150652.649b0f0b@posting.google.com>
Source record: 6346
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.digital.misc

Hello. I am interested in APRS. I've been to aprs.org and other sites, but still can't find many details about it. So what would I need to put a setup in my car? A GPS and radio? A computer, too? I can't find this information (frustrating...).

Anyway, I was interested in this 'MIM Module' I've read about, I think this could help me somehow, but of course the MIM Module link on aprs.org is broken.

So can anyone offer any pointers? I am interested in a low budget setup.

Also what would I need on the receiving side to track the system's location?

How can/does APRS interface with the internet? I have a direct internet connection at home.

Thanks for any help.
-Ryan

973. Re: APRS HowTo?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-15 20:06:38 UTC
From: Ken Wolfe <k3qv@hotmail.com>
Message-ID: <ue5fuvt05g83d9@corp.supernews.com>
Source record: 6347
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.digital.misc

Go to www.tapr.org

Ken K3QV

"Ryan" <zirconx9@yahoo.com> wrote in message
news:e7d49913.0205150652.649b0f0b@posting.google.com...
> Hello. I am interested in APRS. I've been to aprs.org and other
> sites, but still can't find many details about it. So what would I
> need to put a setup in my car? A GPS and radio? A computer, too? I
> can't find this information (frustrating...).
>
> Anyway, I was interested in this 'MIM Module' I've read about, I think
> this could help me somehow, but of course the MIM Module link on
> aprs.org is broken.
>
> So can anyone offer any pointers? I am interested in a low budget
> setup.
>
> Also what would I need on the receiving side to track the system's
> location?
>
> How can/does APRS interface with the internet? I have a direct
> internet connection at home.
>
> Thanks for any help.
> -Ryan

974. APRS Demodulator Source Code?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-16 01:16:16 UTC
From: johnfofawn@hotmail.com
Message-ID: <d89364bd.0205151716.23986161@posting.google.com>
Source record: 6348

Hi,

I'd like to port APRS capability to my Jornada 720 Handheld PC and
also to the new .NET framework.

Does anyone have demodulator source code (in C would be nice) that I
can have?

Is this stuff GPL or public-domain or is it all close-source?

Thanks,
John

975. Re: APRS HowTo?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-16 01:56:13 UTC
From: "Joe S." <joe@schlatter.org>
Message-ID: <abv3ok022uv@enews3.newsguy.com>
Source record: 6349
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.digital.misc

This is not very informative but I do have links to photos of my computer
screen running APRS:
http://www.schlatter.org/aprs.htm

--
- - -

Regards,
Joe S.

"Ryan" <zirconx9@yahoo.com> wrote in message
news:e7d49913.0205150652.649b0f0b@posting.google.com...
> Hello. I am interested in APRS. I've been to aprs.org and other
> sites, but still can't find many details about it. So what would I
> need to put a setup in my car? A GPS and radio? A computer, too? I
> can't find this information (frustrating...).
>
> Anyway, I was interested in this 'MIM Module' I've read about, I think
> this could help me somehow, but of course the MIM Module link on
> aprs.org is broken.
>
> So can anyone offer any pointers? I am interested in a low budget
> setup.
>
> Also what would I need on the receiving side to track the system's
> location?
>
> How can/does APRS interface with the internet? I have a direct
> internet connection at home.
>
> Thanks for any help.
> -Ryan

976. Re: how to connect a soundcard on a transceiver

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-16 03:53:08 UTC
From: gervais <gfillio1@globetrotter.net>
Message-ID: <E2GE8.1093$So.23451@charlie>
Source record: 6350

hi martin,
well thanks for responding to my request about information
soundcard+transceivers.
we are used to install tnc ,i would like to try a soundcard,this is another
world like LINUX

73/s,merci
gervais ve2ckn

977. Re: how to connect a soundcard on a transceiver

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-16 03:58:49 UTC
From: gervais <gfillio1@globetrotter.net>
Message-ID: <Z7GE8.1094$So.23875@charlie>
Source record: 6351

hi john,
well sound card and packet are not use in north america as i can find
informations.
i have a ge phoenix to connect to it,a soundblaster 16 .
and also an old pk232 on the shack that is almost in this pension.

73/s and merci for the helping hand.

gervais,ve2ckn

978. Re: Packet and the ISS?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-16 03:58:51 UTC
From: gervais <gfillio1@globetrotter.net>
Message-ID: <%7GE8.1095$So.23875@charlie>
Source record: 6352

hi,well you should consider the uplink and downlink frequencies of the iss.i
dont know aboit the pc but the tnc upthere must be running by itself

145.800 listen
145.990 transmit + - with the doppler effect

gervais,ve2ckn

979. Re: Packet and the ISS?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-16 07:24:16 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnae6nl0.j8a.nomail@linux.pe1chl.ampr.org>
Source record: 6353

gervais <gfillio1@globetrotter.net> wrote:
>hi,well you should consider the uplink and downlink frequencies of the iss.i
>dont know aboit the pc but the tnc upthere must be running by itself

>145.800 listen
>145.990 transmit + - with the doppler effect

Yeah, pity that they chose that pair... none of my 2M transceivers can
make it, I would need to use a separate rx and tx.

(shift is only settable in 100 KHz steps...)

Rob
--
+---------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+---------------------------------+--------------------------------------+

980. Re: APRS Demodulator Source Code?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-16 07:26:17 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnae6nop.j8a.nomail@linux.pe1chl.ampr.org>
Source record: 6354

John <johnfofawn@hotmail.com> wrote:
>Hi,

>I'd like to port APRS capability to my Jornada 720 Handheld PC and
>also to the new .NET framework.

>Does anyone have demodulator source code (in C would be nice) that I
>can have?

What do you mean? Demodulate 1200 baud AFSK?

"APRS" requires a couple of other layers on top of that. But I would
call that "decoders" rather than "demodulators".

>Is this stuff GPL or public-domain or is it all close-source?

In the Windows world it probably is all closed-source. In the Linux
world there is of course GPL'ed source.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

981. Re: Packet and the ISS?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-16 09:51:19 UTC
From: Roger Conroy <rogerconroy@nospam.hotmail.com>
Message-ID: <abvvve$8of$1@ctb-nnrp1.saix.net>
Source record: 6355

Are you sure about those frequencies?
The info I have is 145.800 down and 145.200 up - the same as a standard
terrestrial repeater. Or is it different for packet and voice?

73
Roger ZR1RC

"gervais" <gfillio1@globetrotter.net> wrote in message
news:%7GE8.1095$So.23875@charlie...
> hi,well you should consider the uplink and downlink frequencies of the
iss.i
> dont know aboit the pc but the tnc upthere must be running by itself
>
> 145.800 listen
> 145.990 transmit + - with the doppler effect
>
> gervais,ve2ckn
>
>
>

982. Re: APRS Demodulator Source Code?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-16 11:33:55 UTC
From: k9wkj <k9wkj@hotmail.com>
Message-ID: <OMME8.1376$eV4.60028@reggie.win.bright.net>
Source record: 6356

it is sent as text no demod req

Rob Janssen <nomail@pe1chl.ampr.org> wrote in message
news:slrnae6nop.j8a.nomail@linux.pe1chl.ampr.org...
> John <johnfofawn@hotmail.com> wrote:
> >Hi,
>
> >I'd like to port APRS capability to my Jornada 720 Handheld PC and
> >also to the new .NET framework.
>
> >Does anyone have demodulator source code (in C would be nice) that I
> >can have?
>
> What do you mean? Demodulate 1200 baud AFSK?
>
> "APRS" requires a couple of other layers on top of that. But I would
> call that "decoders" rather than "demodulators".
>
> >Is this stuff GPL or public-domain or is it all close-source?
>
> In the Windows world it probably is all closed-source. In the Linux
> world there is of course GPL'ed source.
>
> Rob
> --
> +--------------------------------+--------------------------------------+
> | Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
> | AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
> +--------------------------------+--------------------------------------+

983. Re: APRS HowTo?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-16 11:57:26 UTC
From: Clinton <clinton@_nospam_netidea.com>
Message-ID: <ac06rn0j83@enews1.newsguy.com>
Source record: 6357
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.digital.misc

Here's another site to check http://www.nwaprs.org

You do not need a computer in the car, all you need is a GPS, TNC or Tiny Trak (from http://www.byonics.com/) and radio. OR one of the new Kenwood rigs. If your on packet, you already have everything you need for APRS in the shack. You just need the software. There are links to all the software sites at the NWAPRS site. If your on a budget, take a look at UI-View. It's the only freeware aprs software out there. If you don't have a tnc, you can use your sound card.

Another site you might want to check is
http://web.usna.navy.mil/~bruninga/aprs.html
Good Luck!

Clinton Peebles VE7KNL
Salmo, B.C. Canada
Remove _nospam_ to reply
http://map.aprs.net/ve7knl-14

"Ryan" <zirconx9@yahoo.com> wrote in message
news:e7d49913.0205150652.649b0f0b@posting.google.com...
> Hello. I am interested in APRS. I've been to aprs.org and other
> sites, but still can't find many details about it. So what would I
> need to put a setup in my car? A GPS and radio? A computer, too? I
> can't find this information (frustrating...).
>
> Anyway, I was interested in this 'MIM Module' I've read about, I think
> this could help me somehow, but of course the MIM Module link on
> aprs.org is broken.
>
> So can anyone offer any pointers? I am interested in a low budget
> setup.
>
> Also what would I need on the receiving side to track the system's
> location?
>
> How can/does APRS interface with the internet? I have a direct
> internet connection at home.
>
> Thanks for any help.
> -Ryan

984. Re: Packet and the ISS?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-16 13:02:23 UTC
From: kb1gue@amsat.org
Message-ID: <d231bed.0205160502.716c66d4@posting.google.com>
Source record: 6358

"gervais" <gfillio1@globetrotter.net> wrote in message
news:<%7GE8.1095$So.23875@charlie>...
> hi,well you should consider the uplink and downlink frequencies of the iss.i
> dont know aboit the pc but the tnc upthere must be running by itself
>
> 145.800 listen
> 145.990 transmit + - with the doppler effect
>
> gervais,ve2ckn

Its not too hard to use the digipeater on the ISS, typically you set your rig for split operation on the previously noted uplink/downlink frequencys. Now if you have your TNC connected properly you will be listening on the downlink and transmitting on the uplink, Test this by monitoring a few passes to make sure you'r receiving the packets correctly. Here is a URL describing the TNC setup commands you need. You don't need much in terms of antennas to operate both ISS and NO-44.

http://www.marex-na.org/fileshtml/roundtableiss.html you should definitely be checking out www.amsat.org as well. Once your operating normaly on ISS try PC-Sat/NO-44 as well. You should also read up on the APRS system. http://web.usna.navy.mil/~bruninga/aprs.html

Good Luck
Glenn, KB1GUE

985. Re: how to connect a soundcard on a transceiver

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-16 13:09:46 UTC
From: Al <aburzynski@swri.nojunk.edu>
Message-ID: <ue7bsr8dl5t625@corp.supernews.com>
Source record: 6359

Try these places:

http://www.qsl.net/wm2u/interface.html
http://www.w5bbr.com/soundbd.html
http://www.mtn.org/handiham/psk-31_interface.htm
http://www.waypoint.com/users/~discobay/manual.htm

Al
KA5JGV

"gervais" <gfillio1@globetrotter.net> wrote in message
news:Ug%D8.37$7h.17322@charlie...
> hi all,well thanks for reading .
> i am looking for a web site dedicated on the shematics of
> the way to connect various radios on soundcard?
> i have no expereince what soever on this ,so any help
> will be apprecited
>
> 73/s
> ve2ckn,gervais fillion
> bic,quebec
>
>
>

986. Re: Packet and the ISS?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-16 17:00:29 UTC
From: Terry Bendell <ve3tkb@sympatico.ca>
Message-ID: <B9095DED.21D6%ve3tkb@sympatico.ca>
Source record: 6360

I work it all the time on 145.800/145.990

in article abvvve$8of$1@ctb-nnrp1.saix.net, Roger Conroy at
rogerconroy@nospam.hotmail.com wrote on 5/16/02 5:51 AM:

>
> Are you sure about those frequencies?
> The info I have is 145.800 down and 145.200 up - the same as a standard
> terrestrial repeater. Or is it different for packet and voice?
>
> 73
> Roger ZR1RC
>
> "gervais" <gfillio1@globetrotter.net> wrote in message
> news:%7GE8.1095$So.23875@charlie...
>> hi,well you should consider the uplink and downlink frequencies of the
> iss.i
>> dont know aboit the pc but the tnc upthere must be running by itself
>>
>> 145.800 listen
>> 145.990 transmit + - with the doppler effect
>>
>> gervais,ve2ckn
>>
>>
>>
>
>

987. Re: Packet and the ISS?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-16 18:46:24 UTC
From: kb1gue@amsat.org
Message-ID: <d231bed.0205161046.677caa93@posting.google.com>
Source record: 6361

"Roger Conroy" <rogerconroy@nospam.hotmail.com> wrote in message
news:<abvvve$8of$1@ctb-nnrp1.saix.net>...
> Are you sure about those frequencies?
> The info I have is 145.800 down and 145.200 up - the same as a standard
> terrestrial repeater. Or is it different for packet and voice?
>
> 73
> Roger ZR1RC
>
> "gervais" <gfillio1@globetrotter.net> wrote in message
> news:%7GE8.1095$So.23875@charlie...
> > hi,well you should consider the uplink and downlink frequencies of the
> iss.i
> > dont know aboit the pc but the tnc upthere must be running by itself
> >
> > 145.800 listen
> > 145.990 transmit + - with the doppler effect
> >
> > gervais,ve2ckn
> >
> >
> >

145.800 listen
145.990 transmit + - with the doppler effect

These are the correct frequencies for ISS packet operation. I never
had to adjust for doppler. I don't think it's such an issue on 2M as
opposed to 70cm. I typically can recv/transmit reliably from only a
few degrees above horizon to horizon, with no doppler adjustment using
an eggbeater type antenna.

Glenn - KB1GUE

988. Re: APRS Demodulator Source Code?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-16 19:19:32 UTC
From: johnfofawn@hotmail.com
Message-ID: <d89364bd.0205161119.76198955@posting.google.com>
Source record: 6362

nomail@pe1chl.ampr.org (Rob Janssen) wrote in message
news:<slrnae6nop.j8a.nomail@linux.pe1chl.ampr.org>...
> John <johnfofawn@hotmail.com> wrote:
> >Hi,
>
> >I'd like to port APRS capability to my Jornada 720 Handheld PC and
> >also to the new .NET framework.
>
> >Does anyone have demodulator source code (in C would be nice) that I
> >can have?
>
> What do you mean? Demodulate 1200 baud AFSK?

Yes.

> "APRS" requires a couple of other layers on top of that. But I would
> call that "decoders" rather than "demodulators".

I need that too.

> >Is this stuff GPL or public-domain or is it all close-source?
>
> In the Windows world it probably is all closed-source. In the Linux
> world there is of course GPL'ed source.

Can you point me to in the direction of a Linux open-source APRS
project?

I have a buffer of complex samples that I would like to
demodulate/decode and then display the information.

Thanks,
John

989. Re: APRS Demodulator Source Code?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-16 19:20:13 UTC
From: johnfofawn@hotmail.com
Message-ID: <d89364bd.0205161120.587c9e07@posting.google.com>
Source record: 6363

I have complex (IQ) samples. I think I need a demod to get to symbols
and a decoder to get to bits/text. Right?

John

"k9wkj" <k9wkj@hotmail.com> wrote in message
news:<OMME8.1376$eV4.60028@reggie.win.bright.net>...
> it is sent as text no demod req
>
> Rob Janssen <nomail@pe1chl.ampr.org> wrote in message
> news:slrnae6nop.j8a.nomail@linux.pe1chl.ampr.org...
> > John <johnfofawn@hotmail.com> wrote:
> > >Hi,
>
> > >I'd like to port APRS capability to my Jornada 720 Handheld PC and
> > >also to the new .NET framework.
>
> > >Does anyone have demodulator source code (in C would be nice) that I
> > >can have?
> >
> > What do you mean? Demodulate 1200 baud AFSK?
> >
> > "APRS" requires a couple of other layers on top of that. But I would
> > call that "decoders" rather than "demodulators".
> >
> > >Is this stuff GPL or public-domain or is it all close-source?
> >
> > In the Windows world it probably is all closed-source. In the Linux
> > world there is of course GPL'ed source.
> >
> > Rob
> > --
> > +--------------------------------+--------------------------------------+
> > | Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
> > | AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
> > +--------------------------------+--------------------------------------+

990. Re: APRS Demodulator Source Code?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-16 19:42:59 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnae82u3.j8a.nomail@linux.pe1chl.ampr.org>
Source record: 6364

John <johnfofawn@hotmail.com> wrote:
>I have complex (IQ) samples. I think I need a demod to get to symbols
>and a decoder to get to bits/text. Right?

Well, you will have several layers in that case...

First you need to demodulate the samples as NBFM audio (probably not the
first choice to do that using DSP from IQ samples, but of course possible).

Then you have a 1200/2200 Hz FSK signal (1200 baud) that you demodulate
to ones and zeroes and recover the clocking info.

On top of that is NRZI coding and HDLC framing (flags, bitstuffing,
crc-16).

The frames contain AX.25 UI (two callsigns, a databyte identifying UI,
a protocol ID of 0xf0 and the ASCII data sent by the APRS station).

The data part is encoded as specified in the APRS spec, there are several
formats for the same (and for different) type of data.

Finally you of course have to present the decoded data to the user.
That would mean things like plotting positions on a map, keeping lists
of recently heard stations, displaying chat texts in a scrolling window,
etc.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

991. Re: APRS Demodulator Source Code?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-16 19:47:16 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnae8364.j8a.nomail@linux.pe1chl.ampr.org>
Source record: 6365

John <johnfofawn@hotmail.com> wrote:
>nomail@pe1chl.ampr.org (Rob Janssen) wrote in message
news:<slrnae6nop.j8a.nomail@linux.pe1chl.ampr.org>...
>> John <johnfofawn@hotmail.com> wrote:
>> >Hi,
>>
>> >I'd like to port APRS capability to my Jornada 720 Handheld PC and
>> >also to the new .NET framework.
>>
>> >Does anyone have demodulator source code (in C would be nice) that I
>> >can have?
>>
>> What do you mean? Demodulate 1200 baud AFSK?

>Yes.

This is available as "soundmodem" modules for Linux as (configurable)
part of the standard kernel.

>Can you point me to in the direction of a Linux open-source APRS
>project?

The top part (decoding and display) is available as X-APRS. I think
there are others too. Such programs use the AX.25 functionality in
the kernel (via a socket interface) which in turn uses modem or hardware
driver modules.

Some searches with Google using keywords like linux, aprs, packet,
soundcard, etc will yield many results pointing to sources, howto's etc.

Rob
--
+--------------------------------+-------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+-------------------------------------+

992. Re: APRS Demodulator Source Code?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-16 22:40:23 UTC
From: Bob Nielsen <nielsen@remove_this.oz.net>
Message-ID: <ac1cgn$5e8$0@216.39.144.81>
Source record: 6366

On 16 May 2002 19:47:16 GMT, Rob Janssen wrote:
> John <johnfofawn@hotmail.com> wrote:
>>nomail@pe1chl.ampr.org (Rob Janssen) wrote in message
news:<slrnae6nop.j8a.nomail@linux.pe1chl.ampr.org>...
>>> John <johnfofawn@hotmail.com> wrote:
>>> >Hi,
>>>
>>> >I'd like to port APRS capability to my Jornada 720 Handheld PC and
>>> >also to the new .NET framework.
>>>
>>> >Does anyone have demodulator source code (in C would be nice) that I
>>> >can have?
>>>
>>> What do you mean? Demodulate 1200 baud AFSK?
>
>>Yes.
>
> This is available as "soundmodem" modules for Linux as (configurable)
> part of the standard kernel.
>
>>Can you point me to in the direction of a Linux open-source APRS
>>project?
>
> The top part (decoding and display) is available as X-APRS. I think
> there are others too. Such programs use the AX.25 functionality in
> the kernel (via a socket interface) which in turn uses modem or hardware
> driver modules.
>
> Some searches with Google using keywords like linux, aprs, packet,
> soundcard, etc will yield many results pointing to sources, howto's etc.
>
> Rob

There is now also user-mode soundmodem, which should work with any
soundcard supported by the kernel. There is probably a link to it at
<http://radio.linux.org.au>.

Instead of XAPRS, which is NOT open-source (is it still being
developed?) take a look at Xastir <http://www.xastir.org>.

Bob, N7XY

993. Re: Packet and the ISS?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-16 22:47:34 UTC
From: Bob Nielsen <nielsen@remove_this.oz.net>
Message-ID: <ac1cu6$5e8$1@216.39.144.81>
Source record: 6367

From ariss.gsfc.nasa.gov:

The following frequencies are currently used for ARISS general
QSO's
Voice and Packet Downlink: 145.80 (Worldwide)
Voice Uplink: 144.49 for Regions 2 and 3 (The Americas, and the
Pacific)
Voice Uplink: 145.20 for Region 1 (Europe, Central Asia and
Africa)
Packet Uplink: 145.99 (Worldwide)

Bob, N7XY

On 16 May 2002 11:46:24 -0700, Glenn Graf wrote:
> "Roger Conroy" <rogerconroy@nospam.hotmail.com> wrote in message
news:<abvvve$8of$1@ctb-nnrp1.saix.net>...
>> Are you sure about those frequencies?
>> The info I have is 145.800 down and 145.200 up - the same as a standard
>> terrestrial repeater. Or is it different for packet and voice?
>>
>> 73
>> Roger ZR1RC
>>
>> "gervais" <gfillio1@globetrotter.net> wrote in message
>> news:%7GE8.1095$So.23875@charlie...
>> > hi,well you should consider the uplink and downlink frequencies of the
>> iss.i
>> > dont know aboit the pc but the tnc upthere must be running by itself
>> >
>> > 145.800 listen
>> > 145.990 transmit + - with the doppler effect
>> >
>> > gervais,ve2ckn
>> >
>> >
>> >
>
> 145.800 listen
> 145.990 transmit + - with the doppler effect
>
> These are the correct frequencies for ISS packet operation. I never
> had to adjust for doppler. I don't think it's such an issue on 2M as
> opposed to 70cm. I typically can recv/transmit reliably from only a
> few degrees above horizon to horizon, with no doppler adjustment using
> an eggbeater type antenna.

>
> Glenn - KB1GUE

994. Re: Max232 IC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-16 23:05:57 UTC
From: "Chris M. Bridges" <n4fan@bellsouth.net>
Message-ID: <oUWE8.236322$tt4.17525589@e3500-atl2.usenetserver.com>
Source record: 6368
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.swap

Go to MAXXIM web site and request sample and they will send you a couple
free, or at least they use too.
I did and, received them, but was couple of years ago.
N4FAN
Chris

"Rick and Theresa" <n6cy@earthlink.net> wrote in message
news:4eiD8.4403$Nt3.329160@newsread2.prod.itd.earthlink.net...
> Looking for a few of these versatile level converters. Anyone got 'em?
Will
> buy or perhaps trade small stuff in the shack.
>
> TIA,
> Rick N6CY
> San Diego
>
>

995. AGC settings for digital comms

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-16 23:52:33 UTC
From: antennas@yahoo.com
Message-ID: <e8be44e3.0205161552.679f77a3@posting.google.com>
Source record: 6369

What is the best AGC setting for digital communications? Please
explain why it is so when you answer.
ve8ae"@"rac.ca remove quotes...
Thanks.

996. Want - Dovetron and Model 28 ASR

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-17 01:53:22 UTC
From: Jim Andrew <jim.andrew@worldnet.att.net>
Message-ID: <moZE8.26834$Vm2.1096020@bgtnsc04-news.ops.worldnet.att.net>
Source record: 6370

I am looking for a good condition Dovetron 1000 to run my Teletype Model 15.
I am also looking for a good condition Model 28 ASR within driving distance
of Houston.

Please advise if you have one of either you no longer use.

Thanks,

Jim Andrew, K5UI
jimandrew@att.net

997. Packet radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-17 03:22:02 UTC
From: Frank van Waelsden <frakaia@paradise.net.nz>
Message-ID: <MH_E8.1717$7N.283518@news02.tsnz.net>
Source record: 6371

Hi,

Where can I find this program: T4 and also
where is: NBF (T4 for windows)

Much obliged with any info.
73
Frank

998. Re: AGC settings for digital comms

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-17 06:29:05 UTC
From: "Dana H. Myers" <dana@dioxine.com>
Message-ID: <3CE4A33B.7000103@dioxine.com>
Source record: 6372

I'm guessing you're talking about SSB radios and
not FM radios, and thus talking about a broader
range of modes than the 1200 baud AFSK and 9600
baud FSK found in VHF/UHF FM-based packet.

Certainly for FSK modes (RTTY, 300 and 1200 baud FSK),
AGC on and fast is preferred (since the first thing a
self-respecting FSK modem seeks to do is eliminate
AM-sensitivity).

There might be a case for AGC on and slow for some
of the PSK modes since PSK can certainly introduce an
AM component, but my generalization of this is the AM
component is primarily due to transmit bandwith-reduction
processing and AM distortion in reception, unless severe
and of a relatively high rate, is not of a major
consequence. In any case, the fast-AGC response
time of most receivers is probably still slow relative
to the AM components of a common signal.

So - I say fast-AGC all the time if possible (though
some receivers don't offer it in SSB mode).

Any differing opinions?

Dana K6JQ
dana@dioxine.com

VE8AE Andrew wrote:

> What is the best AGC setting for digital communications? Please
> explain why it is so when you answer.
> ve8ae"@"rac.ca remove quotes...
> Thanks.
>

999. Re: APRS Demodulator Source Code?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-17 10:55:05 UTC
From: johnfofawn@hotmail.com
Message-ID: <d89364bd.0205170255.413c0075@posting.google.com>
Source record: 6373

Rob,

Thanks for describing the layers. I'll check out the kernel source for
AX.25 (I didn't realize that APRS rode on top of AX.25 -- I should
have known that).

I suspected that any APRS demodulator code I got would expect FM
discriminated data as input so I have already written this code.

The only issue is going to be that I'm using .NET and C# so I'll have
to translate from C to C#. No big deal -- I'll really learn the code.
:-)

John

> First you need to demodulate the samples as NBFM audio (probably not the
> first choice to do that using DSP from IQ samples, but of course possible).
>
> Then you have a 1200/2200 Hz FSK signal (1200 baud) that you demodulate
> to ones and zeroes and recover the clocking info.
>
> On top of that is NRZI coding and HDLC framing (flags, bitstuffing,
> crc-16).
>
> The frames contain AX.25 UI (two callsigns, a databyte identifying UI,
> a protocol ID of 0xf0 and the ASCII data sent by the APRS station).
>
> The data part is encoded as specified in the APRS spec, there are several
> formats for the same (and for different) type of data.
>
> Finally you of course have to present the decoded data to the user.
> That would mean things like plotting positions on a map, keeping lists
> of recently heard stations, displaying chat texts in a scrolling window,
> etc.
>
> Rob

1000. Re: APRS HowTo?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-17 15:40:15 UTC
From: Paul <paul@NOSPAMdeertown.freeserve.co.uk>
Message-ID: <WTujjKAfRS58EwCX@deertown.freeserve.co.uk>
Source record: 6374
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.digital.misc

In article <ac06rn0j83@enews1.newsguy.com>, Clinton
<clinton@_nospam_netidea.com> writes
>Here's another site to check http://www.nwaprs.org
>
>You do not need a computer in the car, all you need is a GPS, TNC or Tiny
>Trak (from http://www.byonics.com/) and radio. OR one of the new Kenwood
>rigs. If your on packet, you already have everything you need for APRS in
>the shack. You just need the software. There are links to all the software
>sites at the NWAPRS site. If your on a budget, take a look at UI-View.
>It's the only freeware aprs software out there.

Xastir is freeware as well, but it is Linux only I believe. UI-View is a
very good program, so if using Windows go for that.

> If you don't have a tnc,
>you can use your sound card.
>
>Another site you might want to check is
>http://web.usna.navy.mil/~bruninga/aprs.html
>Good Luck!
>
>---
>Clinton Peebles VE7KNL
>Salmo, B.C. Canada
>Remove _nospam_ to reply
>http://map.aprs.net/ve7knl-14
>
>
>"Ryan" <zirconx9@yahoo.com> wrote in message
>news:e7d49913.0205150652.649b0f0b@posting.google.com...
>> Hello. I am interested in APRS. I've been to aprs.org and other
>> sites, but still can't find many details about it. So what would I
>> need to put a setup in my car? A GPS and radio? A computer, too? I
>> can't find this information (frustrating...).
>>
>> Anyway, I was interested in this 'MIM Module' I've read about, I think
>> this could help me somehow, but of course the MIM Module link on
>> aprs.org is broken.
>>
>> So can anyone offer any pointers? I am interested in a low budget
>> setup.
>>
>> Also what would I need on the receiving side to track the system's
>> location?

>>
>> How can/does APRS interface with the internet? I have a direct
>> internet connection at home.
>>
>> Thanks for any help.
>> -Ryan
>
>

--
Paul G4UVA

1001. Re: APRS HowTo?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-18 01:31:58 UTC
From: "J. Duffy Beischel" <jduffy@zoomtown.com>
Message-ID: <uebbop9v5vq5b9@corp.supernews.com>
Source record: 6375
Cross-posted to: rec.radio.amateur.misc,rec.radio.amateur.digital.misc

I have a Garmin basis eTrex GPS unit connected to a KPC3+ packet TNC being used in "tracker" mode and that is now connected to an FT-1500 2 meter rig set on 144.390. All you have to do is configure the TNC as per some instructions on the web and your on!

http://map.findu.com/wb8nut-12 will show you my location. At the house I am running UI-View and it operates as a digi on the east side of Cincinnati and gates all local traffic to the internet.

Let me know what you want to do and I will try to help.

Duffy
www.wb8nut.com
"Ryan" <zirconx9@yahoo.com> wrote in message
news:e7d49913.0205150652.649b0f0b@posting.google.com...
> Hello. I am interested in APRS. I've been to aprs.org and other
> sites, but still can't find many details about it. So what would I
> need to put a setup in my car? A GPS and radio? A computer, too? I
> can't find this information (frustrating...).
>
> Anyway, I was interested in this 'MIM Module' I've read about, I think
> this could help me somehow, but of course the MIM Module link on
> aprs.org is broken.
>
> So can anyone offer any pointers? I am interested in a low budget
> setup.
>
> Also what would I need on the receiving side to track the system's
> location?
>
> How can/does APRS interface with the internet? I have a direct
> internet connection at home.
>
> Thanks for any help.
> -Ryan

1002. MixW vs. Skysweeper vs. ??

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-18 12:28:11 UTC
From: cprstn54zz@att.net
Message-ID: <3ce64475.167148765@news-server.optonline.net>
Source record: 6376

Has anyone identifed and compared the various integrated programs? By integrated, I mean the program fully implements CAT, multi-mode emission encoding-decoding-display, DSP and logging.

I have been trying to set up an FT990 with FIF-232C to work with one of these programs and find that no one seems to have their arms around all the important details for the radio, the interface and the software. For example, MixW can key CW via DTR but Skysweeper can't do that [yet]. By permitting this, MixW lets you use your narrow CW filters and QSK.

It looks to me that with PC's getting faster, that this is where the action will be -- rather than in further radio development. Moreover, there could be much more standardization of interfaces than there is.

After all my investigation, I am still puzzled by one thing: Most folks seem to opt for interfaces that plug into their microphone DIN jack. What do they do when they want to use their microphone? Unplug the Rigblaster or Rascal and plug in the microphone? Or use the cheesy little PC microphone that plugs into the sound card?

Ken KC2JDY

Ken
(to reply via email
remove "zz" from address)

1003. PK-88 eprom

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-18 13:22:41 UTC
From: user
Message-ID: <73lceuo93co0rbe95j6prqpf31mvr61uf0@4ax.com>
Source record: 6377
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.homebrew

Have a bad eprom in a PK-88. Firmware E1744. Have not been able to
find a .bin file on web to load another one. Used the TF bin to verify
my eprom is bad. Anyone have a programmed eprom or know a location for
a bin file to program a replacement? Thanks!
--
Eddie Seymour,WB4MLE
Delete the capital letters:
wb4mleAT@mindspringDOT.com

1004. Re: MixW vs. Skysweeper vs. ??

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-18 13:24:53 UTC
From: cprstn54zz@att.net
Message-ID: <3ce65547.171455140@news-server.optonline.net>
Source record: 6378

Another interesting detail that had to be dug out is how CAT is handled by these programs. For example, MixW puts its CAT signals out on the same COM port as PTT and CW keying. But none of the off-the-shelf sound card interfaces seems to provide. So you have to put a splitter on your COM port and connect two cables.

Ken KC2JDY

Ken
(to reply via email
remove "zz" from address)

1005. KENWOOD 940S (c.w. send/receive) ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-18 15:31:34 UTC
From: csupublications@attbi.com
Message-ID: <811a5847.0205180731.6c065231@posting.google.com>
Source record: 6379

Hello,
Thank you for taking the time to read this message.
I have a Kenwood TS-940S with a Kantronics (ALL MODE) VER. 6.0
CONNECTED to the Kenwood. I have been going out of my mind trying to
figure out how to config. the
TNC and Program to work c.w. send and receive as well as RTTY,
AMTOr,etc. Prior to this in 1993 I owned
a Yeasu FT-990 and all I did was wire up the din for the 990..fire up
the TNC
progam..(Lan_link) >> Kinda outdated now.. and go into the
c.w. send/rec mode of a program call Lan-Link and that would be it.
For some
reason I can not get the Kenwood TS-940S to work either RTTY or CW
send/rec.
Do I need to buy some type of interface for the TS-940S or a certain
progam? Any iformation will
be greatly appreciated.. I am working on my third bottle of Motrin !!
Thank you for your time, I appreciate it.
73 de N1OHW (Rick)

1006. Re: PK-88 eprom

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-18 16:22:25 UTC
From: UnTale <io@io.it>
Message-ID: <SevF8.78658$5k4.1710080@twister2.libero.it>
Source record: 6380
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.homebrew

> Have a bad eprom in a PK-88. Firmware E1744. Have not been able to
> find a .bin file on web to load another one. Used the TF bin to verify
> my eprom is bad. Anyone have a programmed eprom or know a location for
> a bin file to program a replacement? Thanks!
> --
> Eddie Seymour,WB4MLE
> Delete the capital letters:
> wb4mleAT@mindspringDOT.com

hi,
I've a PK88 eprom (.bin file); I don't remember wich version;
if you need, send me an e-mail to
iz7athNOSPAMMINGGG@yahoo.it
(remove NOSPAMMINGGG)

--
73 de iz7ath, Talino

Homebrew, RF projects and digital tecniques on
http://www.qsl.net/iz7ath
IZ7ATH Talino +39 338 5029196

1007. New to PSK

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-18 16:48:57 UTC
From: markh@sysdyn.com
Message-ID: <b0299744.0205180848.1086ef54@posting.google.com>
Source record: 6381

Hello all,

I have a TenTec Pegasus and recently after a very busy several years started to get back into digital modes. I have downloaded WinPSKse and been able to successfully receive a few signals.

I could use a little guidence though. WinPSKse is nice in that you can select two different receive signals. So assume I set my radio to receive on 14.070 LSB. I will see several signals in the waterfall graph and I can select RX1 or RX2.

My question is what about transmit? It looks like transmit follows the currently selected RX. IE there is a button to select which one to transmit on but being from the old school, don't I need to tune the radio to that signal? It seems not to care. Any help would be appreciated.

I have not tried transmit yet as I haven't finished cabling etc. Anybody reasonably close to southern california that would volunteer to help me set the TX level by monitoring the signal sometime?

Mark - WS7M

1008. Re: New to PSK

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-19 01:42:52 UTC
From: Ralph Mowery <rmowery@dialpoint.net>
Message-ID: <3CE7031C.73196879@dialpoint.net>
Source record: 6382

For psk31 you should use USB. Set the receiver to 14.070 to start with and pick out the signal you want to receive with whatever visual means the program has (I am not familiar with that particular one). You should be able to set the audio output to the transmitter to follow the received signal automatically. The transmitter dial is not usually tuned to match the receiver. Much of the time the signals will be contained in or near the 3 Khz bandwidth near 14.070. As you gain some experience you can then move up a few KC if needed or desired.

Also not familiar with the output of the TT but assuming it is a 100 watt output rig, set your audio input level so the transmitt is putting out from 30 to 50 watts with no characters being sent. YOu might want to do this on 10 meters to start with as there is usually more unused bandwidth there..

"Mark R. Holbrook" wrote:
>
> Hello all,
>
> I have a TenTec Pegasus and recently after a very busy several years
> started to get back into digital modes. I have downloaded WinPSKse
> and been able to successfully receive a few signals.
>
> I could use a little guidence though. WinPSKse is nice in that you
> can select two different receive signals. So assume I set my radio to
> receive on 14.070 LSB. I will see several signals in the waterfall
> graph and I can select RX1 or RX2.
>
> My question is what about transmit? It looks like transmit follows
> the currently selected RX. IE there is a button to select which one
> to transmit on but being from the old school, don't I need to tune the
> radio to that signal? It seems not to care. Any help would be
> appreciated.
>
> I have not tried transmit yet as I haven't finished cabling etc.
> Anybody reasonably close to southern california that would volunteer
> to help me set the TX level by monitoring the signal sometime?
>
> Mark - WS7M

1009. MixW 2.06 The Multi-Mode Digital Software is now available for Downloading

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-19 12:49:48 UTC
From: Jim Jaffe <jaffejim@erols.com>
Message-ID: <ac871d$446$1@bob.news.rcn.net>
Source record: 6383

Greetings fellow Warblers.. Happy to announce that MixW version 2.06 has
been uploaded to our Website www.nvbb.net/~jaffejim/mixwpage.htm and is now
available for downloading. There were a few bugs in the previous version
that were addressed and a few new features added as well. There are:
- Control bar (Macro bar):
- resizing horizontally and vertically (with
changing the number of columns)
- background color can be changed for each button,
see button "A" after "Label" in Edit macro dialog.
- DxCluster dialog rearranged, button "Back" is added, it
jumps to previous frequency (if any).
- Ten-Tec Jupiter support (requires new "Enhanced PC Control"
firmware)
My suggestion is to go to the Changes page and print out the print and have
a "Hard Copy" which will give you in detail what the program can now do.
Best 73 and Happy Warbling. Any questions just drop me a line at:
jaffejim@erols.com Jim, WA2VOS

1010. Hams with Mac Computers SIG

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-20 11:39:16 UTC
From: John Seney <wd1v@amsat.org>
Message-ID: <wd1v-EF81AB.07432320052002@netnews.attbi.com>
Source record: 6384

* Macnet Member Listing - as the name implies, its "The List" of all of the hams in the world that are using Macs with their radios. In ZIP CODE order so you can see your neighbors and get together easily. ftp://ftp.qsl.net/pub/wd1v/Macnet2002.html

* Macnet Ham Radio Software Listing - "The List" of the latest - much of it with FTP links so what you see is what you can get with just a click.

http://www.qsl.net/wd1v/Page7.html

JS
Scope FAQ at http://www.qsl.net/wd1v

1011. Re: Packet radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-20 14:35:37 UTC
From: Plop <tony.winnen@skynet.be>
Message-ID: <3ce90957$0$6939$ba620e4c@news.skynet.be>
Source record: 6385

Hi Frank,

Never heard of " GOOGLE " ? ??
Here you find NBF: http://www.hut.fi/~jtuomi/nbf_index.html
and if you are searching for a complete-full-uptodate
windows packet program, you should try
WinSTOP: http://www.winstop.de/index.html

73'
Tonny on1dnf

PS. I've never heard of T4

"Frank van Waelsden" <frakaia@paradise.net.nz> schreef in
bericht news:MH_E8.1717$7N.283518@news02.tsnz.net...
> Hi,
>
> Where can I find this program: T4 and also
> where is: NBF (T4 for windows)
>
> Much obliged with any info.
> 73
> Frank
>
>
>

1012. HF Fax pic's from 4344khz and 8680khz

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-20 18:30:28 UTC
From: SSTVSWL <SSTVSWL@attbi.com>
Message-ID: <8hbG8.71867$Po6.109927@rwcrnsc52.ops.asp.att.net>
Source record: 6386

http://home.attbi.com/~frg9600/4344khz.gif

http://home.attbi.com/~wa7001swl/8680khz1.gif

http://home.attbi.com/~wa7001swl/8680khz.gif

1013. Re: how to connect a soundcard on a transceiver

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-20 19:40:54 UTC
From: Cedric Walker <cfw@tulane.edu>
Message-ID: <acbioa$tc7$1@same.tcs.tulane.edu>
Source record: 6387

"gervais" <gfillio1@globetrotter.net> wrote in message
news:Ug%D8.37$7h.17322@charlie...
> hi all,well thanks for reading .
> i am looking for a web site dedicated on the shematics of
> the way to connect various radios on soundcard?
>

Gervais,

The "mother lode" of schematics is at

http://www.packetradio.com/

... I bought one of their interfaces (too lazy to build my own) and it works
well.

73 de Cedric k5cfw

1014. Tiny Track 2 and/or GPS Wanted

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-21 03:40:01 UTC
From: theplanters95@aol.comnospam
Message-ID: <20020520234001.08901.00000642@mb-df.aol.com>
Source record: 6388

I am looking for a Tiny Track 2. And also looking for a cheap GPS to get started with APRS.

Please email me at theplanters95(at)aol.com.

Randy ka4nma

1015. Back up Power

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-21 12:16:34 UTC
From: Brian <lea1bri@optusnet.com.au>
Message-ID: <3cea3a54$0$4691$afc38c87@news.optusnet.com.au>
Source record: 6389
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

I don't know if anyone has seen the website I'm looking for (I hope they have), but I've lost the link so I cant give it to anyone either.
Hoping someone can help me with the web address.

The website is about a bloke in America (maybe Canada I can't remember). He is an amateur that lives in a zone where the power delivery isn't fantastic. To combat this he set up a car battery in a battery box with a volt meter and a cigarette lighter socket built in (as well as big posts for his radio equipment). Apparently this wasn't good enough so he linked up a solar system to it as well. There were a couple of other attachments also.

Hoping someone can help me out with the address for it.

Thanks in advance,

Brian.
Sydney Australia.

1016. Re: Back up Power

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-21 13:09:43 UTC
From: rcnixon@mindspring.com
Message-ID: <3cea451b.2496549@news.mindspring.com>
Source record: 6390
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

"Brian" <lea1bri@optusnet.com.au> wrote:

>I don't know if anyone has seen the website I'm looking for (I hope they
>have), but I've lost the link so I cant give it to anyone either.
>Hoping someone can help me with the web address.
>
>The website is about a bloke in America (maybe Canada I can't remember). He
>is an amateur that lives in a zone where the power delivery isn't fantastic.
>To combat this he set up a car battery in a battery box with a volt meter
>and a cigarette lighter socket built in (as well as big posts for his radio
>equipment). Apparently this wasn't good enough so he linked up a solar
>system to it as well. There were a couple of other attachments also.
>
>Hoping someone can help me out with the address for it.
>
>Thanks in advance,
>
>Brian.
>Sydney Australia.

Brian, you would be better off using a battery made for supplying a relatively small amount of current for a longer time. A car battery is optimized to supply a huge amount of current (100 to 200 amps) for a short time in order to turn the starter motor. When the car is running, its electrical needs are supplied by the alternator powered by the engine. Gel cells are really what you want. They are sold for computer room uninterruptable power supplies (UPS) and camper vehicle use. Perhaps you can get them from a computer service company or just buy a couple of new ones. The gel cell have a charging power requirement similar to Nimh batteries and the charge control chips for Nimhs work well for gel cells. Do a web search for "gel cells" and you will get all you need! Also, do a web search for "Luke Enriquez". He is an Australian ham and engineer who has a nice design for a gel cell maintenance system.

Russ
"Two-fifteen, no ambulance needed!"
Subtract all nines to reply

1017. Re: Back up Power

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-21 15:49:49 UTC
From: Rick Manns <nospamrjmanns@kuentos.guam.netnospam>
Message-ID: <x0uG8.505$vhi2.28311765@news2.randori.com>
Source record: 6391
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

Brian,

I don't know about the link you are looking for, but the company I work for sells the item(s) you looking for. Go to http://www.solcomguam.com

Good luck with your battery project.

Rick - KB6IDK/KH2

"Brian" <lea1bri@optusnet.com.au> wrote in message news:3cea3a54$0$4691$afc38c87@news.optusnet.com.au...
> I don't know if anyone has seen the website I'm looking for (I hope they
> have), but I've lost the link so I cant give it to anyone either.
> Hoping someone can help me with the web address.
>
> The website is about a bloke in America (maybe Canada I can't remember).
He
> is an amateur that lives in a zone where the power delivery isn't
fantastic.
> To combat this he set up a car battery in a battery box with a volt meter
> and a cigarette lighter socket built in (as well as big posts for his
radio
> equipment). Apparently this wasn't good enough so he linked up a solar
> system to it as well. There were a couple of other attachments also.
>
> Hoping someone can help me out with the address for it.
>
> Thanks in advance,
>
> Brian.
> Sydney Australia.
>
>
>

1018. Re: Back up Power

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-21 23:05:31 UTC
From: john walton <jdwalton@comcast.net>
Message-ID: <%oAG8.51294$yl.6001093@bin3.nnrp.aus1.giganews.com>
Source record: 6392
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

Don't they have gennies down there? I live in a part of the third world called New Jersey and our electric company, once known as General Public Utilities (aka three mile island) is notable for outages. Some joke on us, they got taken over by First Energy which discovered holes in the Davis Besse nuclear reactor (used to be Cleveland Electric). Ergo hoc, propter hoc I have two generators for power outages.

"Rick Manns" <nospamrjmanns@kuentos.guam.netnospam> wrote in message news:x0uG8.505$vhi2.28311765@news2.randori.com...
> Brian,
>
> I don't know about the link you are looking for, but the company I work for
> sells the item(s) you looking for. Go to http://www.solcomguam.com
>
> Good luck with your battery project.
>
> Rick - KB6IDK/KH2
>
>
>
> "Brian" <lea1bri@optusnet.com.au> wrote in message
> news:3cea3a54$0$4691$afc38c87@news.optusnet.com.au...
> > I don't know if anyone has seen the website I'm looking for (I hope they
> > have), but I've lost the link so I cant give it to anyone either.
> > Hoping someone can help me with the web address.
> >
> > The website is about a bloke in America (maybe Canada I can't remember).
> He
> > is an amateur that lives in a zone where the power delivery isn't
> fantastic.
> > To combat this he set up a car battery in a battery box with a volt meter
> > and a cigarette lighter socket built in (as well as big posts for his
> radio
> > equipment). Apparently this wasn't good enough so he linked up a solar
> > system to it as well. There were a couple of other attachments also.
> >
> > Hoping someone can help me out with the address for it.
> >
> > Thanks in advance,
> >
> > Brian.

> > Sydney Australia.
> >
> >
> >
>
>

1019. Re: Back up Power

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-22 00:31:16 UTC
From: Brian P Burke <bpburke@prodigy.net>
Message-ID: <oFBG8.872$g97.36797532@newssvr15.news.prodigy.com>
Source record: 6393
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

"Brian" <lea1bri@optusnet.com.au> wrote in message
news:3cea3a54$0$4691$afc38c87@news.optusnet.com.au...
> I don't know if anyone has seen the website I'm looking for (I hope they
> have), but I've lost the link so I cant give it to anyone either.
> Hoping someone can help me with the web address.
>
> The website is about a bloke in America (maybe Canada I can't remember).
He
> is an amateur that lives in a zone where the power delivery isn't
fantastic.
> To combat this he set up a car battery in a battery box with a volt meter
> and a cigarette lighter socket built in (as well as big posts for his
radio
> equipment). Apparently this wasn't good enough so he linked up a solar
> system to it as well. There were a couple of other attachments also.
>
> Hoping someone can help me out with the address for it.
>
> Thanks in advance,
>
> Brian.
> Sydney Australia.

KG6DX ran two trolling motor batteries with his power supply. Guam was the land of the blinking clock, and its probably worse now that the money has left.

1020. Re: Back up Power

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-22 00:40:53 UTC
From: xpyttl <xpyttl_nospam@earthling.net>
Message-ID: <uelqa7tb8j1o2e@corp.supernews.com>
Source record: 6394
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

"Russell C. Nixon" <rcnixon@mindspring.com> wrote in message

> Brian, you would be better off using a battery made for supplying a
> relatively small amount of current for a longer time. A car battery
> is optimized to supply a huge amount of current (100 to 200 amps) for
> a short time in order to turn the starter motor. When the car is

Probably so, but a car battery will run the station for an awfully long time. Out here in the wilds of Michigan it's fairly common practice to use a car battery and a trickle charger. Combined they cost less than a "proper" supply, and even the worst ice storm rarely takes out the power long enough to drain the battery.

..

1021. Re: Back up Power

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-22 02:10:52 UTC
From: captbrian <captbrian@ukonline.co.uk>
Message-ID: <e6DG8.7147$1c.1594140@monolith.news.easynet.net>
Source record: 6395
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

Don't know the site but all you need you will find in yachts chandlery catalogues. We live permanently on 12 v batteries. Solar / wind / additional engine alternator / towed rotator if we could get 12v from rubbing two sticks togethere we would do it.

Bryan AC4UA - G3GVB

Brian <lea1bri@optusnet.com.au> wrote in message news:3cea3a54$0$4691$afc38c87@news.optusnet.com.au...
> I don't know if anyone has seen the website I'm looking for (I hope they
> have), but I've lost the link so I cant give it to anyone either.
> Hoping someone can help me with the web address.
>
> The website is about a bloke in America (maybe Canada I can't remember). He
> is an amateur that lives in a zone where the power delivery isn't fantastic.
> To combat this he set up a car battery in a battery box with a volt meter
> and a cigarette lighter socket built in (as well as big posts for his radio
> equipment). Apparently this wasn't good enough so he linked up a solar
> system to it as well. There were a couple of other attachments also.
>
> Hoping someone can help me out with the address for it.
>
> Thanks in advance,
>
> Brian.
> Sydney Australia.
>
>

1022. Re: Back up Power

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-23 04:51:51 UTC
From: "Clifton T. Sharp Jr." <clifto@clifto.com>
Message-ID: <3CEC7567.20890C33@clifto.com>
Source record: 6396
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

Russell C. Nixon wrote:
> Brian, you would be better off using a battery made for supplying a
> relatively small amount of current for a longer time. A car battery
> is optimized to supply a huge amount of current (100 to 200 amps) for
> a short time in order to turn the starter motor. When the car is
> running, its electrical needs are supplied by the alternator powered
> by the engine. Gel cells are really what you want.

I'm currently researching the idea of using deep-cycle marine batteries.
A huge battery is cheaper than the stupid little 12V 7AH battery my UPS
needs.

No, I won't be using the huge one with the teensy UPS. I have a pair of
huge old Elgars I got because the charging circuit was overcharging and
ruining the 4 12V 15AH batteries inside. I'm thinking of either repairing
and beefing up the charging circuitry or removing it entirely and kludging
in a real battery charger with some beef to it.

I could get four of the marine deep-cycle batteries cheaper than *one* of
the 12V 15AH batteries.

--
If spammers weren't stupid, they'd be the idle rich instead of spammers.
- Morely Dotes

1023. Re: Back up Power

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-23 13:03:44 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3CECE8B0.D1B5CF76@crosslink.net>
Source record: 6397
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

"Clifton T. Sharp Jr." wrote:
>
> Russell C. Nixon wrote:
> > Brian, you would be better off using a battery made for supplying a
> > relatively small amount of current for a longer time....
>
> I'm currently researching the idea of using deep-cycle marine batteries.
> A huge battery is cheaper than the stupid little 12V 7AH battery my UPS
> needs......

I keep my ARES Packet Node on a "deep cycle" battery like Russell describes but got a wet cell intended for electric outboard motors vs a gel-cel cuz its mucho cheaper (<$50) than gel-cels of the same rating. I "float" it at 13.8V using a charger made for that purpose so, when (not if) the AC power fails the station doesn't even notice for at least 24 hours. IIRC the charger was well under $100US and has yet to over-charge the battery enough to require water.

The "house" batteries in our motorhome use the same system.

Also, just bought a smaller portable wet cell intended for lawn tractors from Walmart for $15! Figured the portability was worth that small price.

73 K3DWW

1024. Coming soon See the fellow at the other end while on PSK31

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-23 13:42:24 UTC
From: Jim Jaffe <jaffejim@erols.com>
Message-ID: <acirk2$h25$1@bob.news.rcn.net>
Source record: 6398

To all MixW and DigiPan users..and fellow PSK Warblers...Coming soon...we are going to implement the ability to view the receiving station's picture using a small 1kb file in our software... I have just completed a test with one of our programmers the other day as he sent a picture to me using the new method..Although small in size the picture received was in full color and clear as a bell. The band was in terrible conditions and his signal wasn 't even an S 1.This should prove interesting as seeing the other fellow puts a new twist in QSO in PSK/QPSK.. This should really shake things up a bit.. My suggestion is to check our websites weekly or keep you eye on this newsgroup as I will make the announcement on this newsgroup when we release the new versions of MixW and DigiPan. Funny thing..working one fellow the other day.. He described our MixW software as "The Swiss Knife of Digital Communications" sounds good to me. Guess the reason for that statement is that MixW can do EVERY Single one of the Digital modes including Throb, Hellschrieber, MFSK, MT63, Packet, QPSK, BPSK, FSK31 and then some of the old favorites such as RTTY any shift any speed and CW. It also does SSTV and Voice keying. Eliminates the need for the expensive voice keying modules in your rig.. MixW has two logging system one for regular usage and one for contests.. Nick, UT2UZ the programmer is constantly adding new improvements to the program. Some of the new improvements are the ability to access the DX Cluster and also WWV for Solar Flux readings MixW has over 50 Macro keys easily programmed using "Clickable" macros from a easily accessible menu. Plus much more.
To try MixW or DigiPan go to our website which is
www.nvbb.net/~jaffejim/mixwpage.htm
Download the program that best suits you .. Best 73 and thank you for reading this bulletin Jim, WA2VOS

1025. Re: Back up Power

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-23 14:21:48 UTC
From: laborkei <laborkeiNOSPAM@hotmail.com>
Message-ID: <3cecff0c_5@nopics.sjc>
Source record: 6399
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

If you didn't make Dayton..

Mendelsons had 12V 17AH batteries for $10.00
They have them on there website for $15.95.
I had talked to them at Dayton and they said they had a lot of these
batteries, and they are New.

http://www.meci.com/

Hamvention 2002 Pictures de WD5BJQ: http://www.qsl.net/wd5bjq/hamvent02.htm

"Russell C. Nixon" <rcnixon@mindspring.com> wrote in message
news:3cea451b.2496549@news.mindspring.com...
> "Brian" <lea1bri@optusnet.com.au> wrote:
>
> >I don't know if anyone has seen the website I'm looking for (I hope they
> >have), but I've lost the link so I cant give it to anyone either.
> >Hoping someone can help me with the web address.
> >
> >The website is about a bloke in America (maybe Canada I can't remember).
He
> >is an amateur that lives in a zone where the power delivery isn't
fantastic.
> >To combat this he set up a car battery in a battery box with a volt meter
> >and a cigarette lighter socket built in (as well as big posts for his
radio
> >equipment). Apparently this wasn't good enough so he linked up a solar
> >system to it as well. There were a couple of other attachments also.
> >
> >Hoping someone can help me out with the address for it.
> >
> >Thanks in advance,
> >
> >Brian.
> >Sydney Australia.
>
> Brian, you would be better off using a battery made for supplying a
> relatively small amount of current for a longer time. A car battery
> is optimized to supply a huge amount of current (100 to 200 amps) for
> a short time in order to turn the starter motor. When the car is
> running, its electrical needs are supplied by the alternator powered
> by the engine. Gel cells are really what you want. They are sold for
> computer room uninterruptable power supplies (UPS) and camper vehicle
> use. Perhaps you can get them from a computer service company or just

> buy a couple of new ones. The gel cell have a charging power
> requirement similar to Nimh batteries and the charge control chips for
> Nimhs work well for gel cells. Do a web search for "gel cells" and
> you will get all you need! Also, do a web search for "Luke Enriquez".
> He is an Australian ham and engineer who has a nice design for a gel
> cell maintenance system.
>
> Russ
> "Two-fifteen, no ambulance needed!"
> Subtract all nines to reply

1026. Re: Back up Power

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-23 18:05:50 UTC
From: Richard G Amirault <amirault@shell01.TheWorld.com>
Message-ID: <GwKsxq.J4y@world.std.com>
Source record: 6400
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

In rec.radio.amateur.equipment Brian <lea1bri@optusnet.com.au> wrote:

: The website is about a bloke in America (maybe Canada I can't remember). He
: is an amateur that lives in a zone where the power delivery isn't fantastic.
: To combat this he set up a car battery in a battery box with a volt meter
: and a cigarette lighter socket built in (as well as big posts for his radio
: equipment). Apparently this wasn't good enough so he linked up a solar
: system to it as well. There were a couple of other attachments also.

I'm not sure what you have in mind. Do you want a solar powered battery?
or just a way to have a back up 12v supply?

Astron Power Supply makes a few of thier power supplies with a special
circuit (the -BB option) to attach a 12v battery. This turns the Astron
into a sort of 12v uniteruptable power supply. During 'normal' times the
power supply charges the battery, but if commercial power should fail the
battery takes over powering the equipment.

I have this setup running my APRS WX station. The BB option is a special
order from most retailers however (they usually don't stock them) As I
understand it, the special circuit not only charges the battery, but
protects the power supply when commercial power fails and power is drawn
from the battery. NOTE: I found out the hard way I had to reduce the
voltage on my Astron to keep from over charging my battery.

For information on solar (and all types of re-newable) energy check out
Home Power Magazine.

http://www.homepower.com

Richard in Boston, MA, USA
N1JDU

1027. Special SSTV Website

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-23 19:40:59 UTC
From: ON1OE <on1oe@amsat.org>
Message-ID: <3ced4665$0$6950$ba620e4c@news.skynet.be>
Source record: 6251

Hello OM,

Compete ge-update website.
Special for the SSTV - fans.

http://users.skynet.be/on1oe

Thanks for your visite.

Regards,
Patrick ON1OE

1028. MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-23 21:35:06 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0205231335.52663b3e@posting.google.com>
Source record: 6252
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

The latest MURS rules changes now simply limit transmitter power output to 2W, and remove the old 2W ERP restriction:

http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-02-139A1.doc

This effectively raises the ERP limit to about 10W for omni base stations, and about 50W with a directional beam antenna.

With licenseless services like MURS beginning to flourish, Amateur Radio just keeps getting less relevant.

Horseshoe7, Stewart, N0MHS
http://groups.yahoo.com/group/MURS-OPEN

1029. Re: Back up Power

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 02:59:39 UTC
From: JB <ac6tk@nospamcybertime.net>
Message-ID: <acms56$10j5$1@madmax.keyway.net>
Source record: 6153
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

17AH gel cells will barely run an HT. High current drains are
impractical because gassing within the cells insulates the plates
faster than the gel can absorb and causes the internal resistance to
rise out of hand. Current drains should be limited to 20% of AH
rating (and with boat batteries too).

Big as you can get (into your tray) Marine/Starting batteries are a
pretty good compromise if you have to use it in your car.

Jim, ac6tk

"laborkei" <laborkeiNOSPAM@hotmail.com> wrote in message news:3cecff0c_5@nopics.sjc...
: If you didn't make Dayton..
:
: Mendelsons had 12V 17AH batteries for $10.00
: They have them on there website for $15.95.
: I had talked to them at Dayton and they said they had a lot of these
: batteries, and they are New.
:
: http://www.meci.com/
:
: Hamvention 2002 Pictures de WD5BJQ: http://www.qsl.net/wd5bjq/hamvent02.htm
:
:
: "Russell C. Nixon" <rcnixon@mindspring.com> wrote in message
: news:3cea451b.2496549@news.mindspring.com...
: > "Brian" <lea1bri@optusnet.com.au> wrote:
: >
: > >I don't know if anyone has seen the website I'm looking for (I hope they
: > >have), but I've lost the link so I cant give it to anyone either.
: > >Hoping someone can help me with the web address.
: > >
: > >The website is about a bloke in America (maybe Canada I can't remember).
: He
: > >is an amateur that lives in a zone where the power delivery isn't
: fantastic.
: > >To combat this he set up a car battery in a battery box with a volt meter
: > >and a cigarette lighter socket built in (as well as big posts for his
: radio
: > >equipment). Apparently this wasn't good enough so he linked up a solar
: > >system to it as well. There were a couple of other attachments also.
: > >
: > >Hoping someone can help me out with the address for it.

: > >
: > >Thanks in advance,
: > >
: > >Brian.
: > >Sydney Australia.
: >
: > Brian, you would be better off using a battery made for supplying a
: > relatively small amount of current for a longer time. A car battery
: > is optimized to supply a huge amount of current (100 to 200 amps) for
: > a short time in order to turn the starter motor. When the car is
: > running, its electrical needs are supplied by the alternator powered
: > by the engine. Gel cells are really what you want. They are sold for
: > computer room uninterruptable power supplies (UPS) and camper vehicle
: > use. Perhaps you can get them from a computer service company or just
: > buy a couple of new ones. The gel cell have a charging power
: > requirement similar to Nimh batteries and the charge control chips for
: > Nimhs work well for gel cells. Do a web search for "gel cells" and
: > you will get all you need! Also, do a web search for "Luke Enriquez".
: > He is an Australian ham and engineer who has a nice design for a gel
: > cell maintenance system.
: >
: > Russ
: > "Two-fifteen, no ambulance needed!"
: > Subtract all nines to reply
:
:

1030. RLC/MAC Protocol Stacks for amateur radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 03:09:42 UTC
From: Thomas Goerke <tgoerke@bigpond.com>
Message-ID: <W9iH8.171080$o66.508043@news-server.bigpond.net.au>
Source record: 6253

Hi,

I am interested in finding a protocol stack (Layers 4 through to 2) which I could use over a point to point radio link.

I have my own physical layer and need something I can use for demonstrations. I need something written in C preferably which I could use under Linux which would provide me with a mechanism to take my user and control plane messages, frame them with addressing information and then pass onto the physical layer. I would like to implement some form of retransimission scheme plus compression if possible.

Not being familiar with what is available in the ameteur radio arean, any help appreciated.

Thanks in advance,

Tom

1031. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 04:13:54 UTC
From: Arf! Arf! <DoggieDaze@Liberalz.com>
Message-ID: <ackekk$dq5$0@pita.alt.net>
Source record: 6254
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

<Moparholic@hotmailnospam.com> wrote in message
news:20020523173917.181$vZ@newsreader.com...
> horseshoe7@yahoo.com (stewart) wrote:
> >>The latest MURS rules changes now simply limit transmitter power
> > > output to 2W, and remove the old 2W ERP restriction:
> > >
> > > http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-02-139A1.doc
> > >
> > > This effectively raises the ERP limit to about 10W for omni base
> > > stations, and about 50W with a directional beam antenna.
> > >
> > > With licenseless services like MURS beginning to flourish, Amateur
> > > Radio just keeps getting less relevant.
> > >
> > > Horseshoe7, Stewart, N0MHS
> > > http://groups.yahoo.com/group/MURS-OPEN
> > >
> Can you say CB x 2..LOL
>
> --
> Go Sterling Marlin!

Not so! The Ham freqs. WILL continue to be relevant. Look for the CB'ers to get into these five freqs and ruin them. Two watts? Bah! Since when has a CB'er ever played by the rules? Look for them to buy Ham two meter rigs, modify the TX, buy an amplifier with five watts in, 100 out and modify it, too. They will ruin the MURS frequencies within five years. Mark my words. Remember when CB was licensed and limited to 4 watts? Good concept, but it was doomed for failure from the outset. The MURS frequencies will meet the same fate.
The MURS frequencies will soon be yet another cluster f*ck akin to the eleven meter band, and the FCC will have not the resources to police the miscreants. It will be interesting to see how much interference these "new" CB freqs. cause to the nationwide cable TV system, too.
It will only get worse as power contests, filthy language, arguments, malicious interference and general eleven meter intellect creates havoc on these five frequencies. Ol' Bubba with a cheap, ungrounded station and a gut full of Old Milwaukee is gonna have a ball!
Once the radio mfgrs. get up and running (making $$$) all Hell will break loose. I give it five years, tops, before the rabble rousers ruin it for all.
Gee...yet another FCC idea gone bad.
And the FCC wants to usurp some of OUR bands for commercial interests? This

makes you wonder who the Hell is watching the store, eh?

1032. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 04:17:14 UTC
From: K&#65533;HB <KAYZEROHANDSOMEBOY@ELECTRICSMOKE.NET>
Message-ID: <e9jH8.70$3L6.5@newsread2.prod.itd.earthlink.net>
Source record: 6255
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"stewart" <horseshoe7@yahoo.com> wrote

>
> With licenseless services like MURS beginning to flourish, Amateur
> Radio just keeps getting less relevant.
>

You fail to mention that FCC degraded MURS from Part 90 to the Part 95 (CB) category, removed some previously allowed modes, and specifically requires that the radios be certificated, thus blowing away your outlaw chant about using Yaesu VX-5R.

Bottom line, it's a 2W CB service, good for not much more than a local intercom service. Fine for some limited requirements, but hardly competition to the worldwide capabilities of even a very modest Amateur Radio station.

With all kind wishes,

de Hans, K0HB

1033. TAPR Broke, New Officers Needed

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 04:18:15 UTC
From: Jim Hale <halebopp@cox.net>
Message-ID: <bajH8.76906$Md6.2107510@news1.east.cox.net>
Source record: 6256

A couple years ago TAPR hired Dandin to finish their Spread Spectrum radio. Since that time, the radio has been pretty much a dead issue. No updates have occurred to TAPR members since that time. Even Dandin (The TAPR President and another Hams startup) has pretty much died as an 8A (minority owned) entity.

About 6 months ago TAPR tried to insert itself into the digital voice interest group. It took 4 months for the web link to begin, and since that time, has had no updates.

TAPR is dead folks.

It was a pretty good organization 10 years ago, but is completely dysfunctional and broke today.

Go look at the web pages. It's all old information from 1999.

1034. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 04:41:20 UTC
From: "Joe Bramblett, KD5NRH" <kd5nrh-a.r.f@kd5nrh.net>
Message-ID: <4AE0BD34DE87A645.C84E30C6C92CA2A3.80C189D9FCF7E613@lp.airnews.net>
Source record: 6257
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

On Thu, 23 May 2002 23:13:54 -0500, "Arf! Arf!"
<DoggieDaze@Liberalz.com> wrote:

>Once the radio mfgrs. get up and running (making $$$) all Hell will break
>loose.

I'm not all that sure that they will; retail price for a decent VHF FM
HT, allowing for a reasonable profit, probably bottoms out around $30.
Retail for an FRS is around $30. Retail for a low-end CB is around
$50. Which will people want: 14 channels of burping cussing and farty
noises, 40 channels of burping cussing and farty noises, or 5 channels
of burping cussing and farty noises with the occasional Taco Cabana
drive-thru order on one of them?

Joe Bramblett, KD5NRH
kd5nrh@kd5nrh.net
http://www.kd5nrh.net

1035. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 05:00:56 UTC
From: JJ <radiobuff0@mailcity.net>
Message-ID: <3CEDAC6F.DEF99687@mailcity.net>
Source record: 6258
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

stewart wrote:

> With licenseless services like MURS beginning to flourish, Amateur
> Radio just keeps getting less relevant.

But it won't take long for the cb types to turn MURS in another
sewer pit of radio communications.

1036. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 06:07:30 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0205240604400.12799-100000@exp.bde-arc.ampr.org>
Source record: 6259
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

On 23 May 2002 Moparholic@hotmailnospam.com wrote:
>horseshoe7@yahoo.com (stewart) wrote:
>>>The latest MURS rules changes now simply limit transmitter ...
>Can you say CB x 2..LOL

Note that Stewart managed to not post on this topic for about a month. He should be given a medal, then shot, drawn, and quartered for the spammer that he truly is.

Now, go away, Mr. Teaze and go play with your toy radios.

1037. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 06:09:09 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0205240608450.12799-100000@exp.bde-arc.ampr.org>
Source record: 6260
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

On Fri, 24 May 2002, JJ wrote:
>stewart wrote:
>> With licenseless services like MURS beginning to flourish, Amateur
>> Radio just keeps getting less relevant.
>
>But it won't take long for the cb types to turn MURS in another
>sewer pit of radio communications.

You mean with Stewart there, it isn't already?

1038. Re: RLC/MAC Protocol Stacks for amateur radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 07:35:49 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnaerral.a0g.nomail@linux.pe1chl.ampr.org>
Source record: 6261

Thomas Goerke <tgoerke@bigpond.com> wrote:
>Hi,

>I am interested in finding a protocol stack (Layers 4 through to 2) which I
>could use over a point to point radio link.

>I have my own physical layer and need something I can use for
>demonstrations. I need something written in C preferably which I could use
>under Linux which would provide me with a mechanism to take my user and
>control plane messages, frame them with addressing information and then pass
>onto the physical layer. I would like to implement some form of
>retransimission scheme plus compression if possible.

>Not being familiar with what is available in the ameteur radio arean, any
>help appreciated.

Your Linux kernel has the AX.25 protocol suite built-in. Maybe you need to
enable it in the configuration, but many distributions have it included by
default (as modules).

Compression is not included in the protocol but can be added at the
application layer, e.g. via zlib.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

1039. Re: Back up Power - charger voltage

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 12:20:54 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3CEE3026.1E751A08@crosslink.net>
Source record: 6262
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

Richard G Amirault wrote:
>
> .... I found out the hard way I had to reduce the
> voltage on my Astron to keep from over charging my battery.
>

Hey, Richard,

What voltage setting did you end up using? I spent $toomany on a
"smart" charger but I have a couple older PS's about that I'd like to
use like you do the Astron.
TIA
K3DWW

1040. Re: Back up Power - charger voltage

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 13:47:00 UTC
From: Richard G Amirault <amirault@shell01.TheWorld.com>
Message-ID: <GwMBMC.L89@world.std.com>
Source record: 6263
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

It was so long ago I forget. I contacted the manufacturer of my "deep cycle / marine" battery and asked them for the long term float voltage and set it to that.

I *still* have to monitor the liquid level, but it does not disapear anywhere near as fast now.

In rec.radio.amateur.equipment Vito <vito@crosslink.net> wrote:
: Richard G Amirault wrote:
:>
:> .... I found out the hard way I had to reduce the
:> voltage on my Astron to keep from over charging my battery.
:>

: Hey, Richard,

: What voltage setting did you end up using? I spent $toomany on a
: "smart" charger but I have a couple older PS's about that I'd like to
: use like you do the Astron.

1041. wanted Kantronics DVR 2-2, and 410

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 15:40:39 UTC
From: perry chamberlain <kato@qnet.com>
Message-ID: <3CEE5EF7.FDF9796@qnet.com>
Source record: 6264
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.amateur.space

```
WANTED:
Kantronics DVR 2-2 and
410 data radios.
operational and good
condition,
wanted as well, manuals
for DVR 2-2 and 410
manuals.
if you got em, I want
em....
send response to KE6ANM
at
kato@qnet.com

if you have these sitting
in your shack gathering
dust, call me and use the
cash to buy new fun ham
toys.

--
Perry Chamberlain
Kato@qnet.com
Liv'n on de Edge n de
Desert
Everyone has someone in
their family who is
crazy,
if you don't know who it
is, its you!
```

1042. Re: Back up Power - charger voltage

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 16:17:51 UTC
From: Mark Walsh <mark@km6xu.die.spam.die.com>
Message-ID: <acloth$k8i$1@bob.news.rcn.net>
Source record: 6265
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

"Vito" <vito@crosslink.net> wrote:
> Richard G Amirault wrote:

> > .... I found out the hard way I had to reduce the
> > voltage on my Astron to keep from over charging my battery.

> What voltage setting did you end up using? I spent $toomany on a
> "smart" charger but I have a couple older PS's about that I'd like to
> use like you do the Astron.

Industry standard float voltage is 2.3 volts per cell.
That's 13.8 volts for a twelve-volt lead-acid battery.
We use 54.something volts for a 48 volt string in telecom.

1043. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 16:58:11 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0205240858.46173c47@posting.google.com>
Source record: 6266
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"K?B" <KAYZEROHANDSOMEBOY@ELECTRICSMOKE.NET> wrote in message
news:<e9jH8.70$3L6.5@newsread2.prod.itd.earthlink.net>...
> "stewart" <horseshoe7@yahoo.com> wrote

> You fail to mention that FCC degraded MURS from Part 90 to the Part 95 (CB)
> category, removed some previously allowed modes, and specifically requires
> that the radios be certificated, thus blowing away your outlaw chant about
> using Yaesu VX-5R.

However, the restrictions on what types of pre-5/2002 Part 90
certificated radios will be allowed on MURS has been greatly reduced.
Now, most any 2W-under Part 90 radio will be allowed. Along with the
2W Transmitter Output clarification, this was the most important part
of the ruling, as there was great confusion as to what was legal.

> Bottom line, it's a 2W CB service, good for not much more than a local
> intercom service. Fine for some limited requirements, but hardly
> competition to the worldwide capabilities of even a very modest Amateur
> Radio station.

The capabilities of a well built MURS station can now compete with
those of a Technician Class station. Furthermore, MURS users have
certain privileges that Amateurs don't... for example, MURS users can
do business, or download short e-mails of any type of content to their
Mobile PDAs from Internet gateways.

The fact stands - MURS has been made a more capable service, and now
offers capabilities and privileges on the order of those of the
Amateur Technician Class license.

1044. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 17:03:37 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0205240903.bf1c8fb@posting.google.com>
Source record: 6267
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"D. Stussy" <kd6lvw@bde-arc.ampr.org> wrote in message
news:<Pine.LNX.4.44.0205240604400.12799-100000@exp.bde-arc.ampr.org>...

> Now, go away, Mr. Teaze and go play with your toy radios.

What's wrong with that?

Anyway, the fact is, these radios have far better receiver specs than
do most amateur radios.

So, if you're gonna play - why not play with the best?

- Stewart, N0MHS

1045. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 17:38:38 UTC
From: K&#65533;HB <KAYZEROHANDSOMEBOY@ELECTRICSMOKE.NET>
Message-ID: <yUuH8.883$3L6.518@newsread2.prod.itd.earthlink.net>
Source record: 6268
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"stewart" <horseshoe7@yahoo.com> wrote

>
> The fact stands - MURS ..... now offers capabilities and privileges
> on the order of those of the Amateur Technician Class license.
>

Not even close to being comparable.

MURS -- 5 specific frequencies, less than 100 Kilohertz of total bandwidth.
Tech -- Millions of frequencies 23,962,000 Kilohertz of total bandwidth.
Advantage Tech 239,620-to-1

MURS -- One band
Tech -- Seventeen bands
Advantage Tech 17-to-1

MURS -- 2W output
Tech -- 1500W output
Advantage Tech 750-to-1

MURS -- Antenna height 20'
Tech -- No antenna height restriction.
Advantage -- Tech

MURS -- FCC certificated radios only. Modifications illegal.
Tech -- Free to use any purchased, homebrewed, or modified radio without FCC
certification.
Advantage -- Tech

MURS -- Operation restricted by US borders.
Tech -- Reciprocal operating agreements with nations all around the globe.
Advantage -- Tech

I could go on and on, but I'm sure you're getting the picture!

Comparing MURS to even the lowest privileged Amateur Radio license is like
comparing a tricycle to a Lamborghini, and the comparison suffers even worse
when you compare MURS to a General or Extra class Amateur Radio license.

73, de Hans, K0HB
&#65533;&#65533;&#65533; SOC # 291 http://www.qsl.net/soc/

1046. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 17:55:29 UTC
From: JJ <radiobuff0@mailcity.net>
Message-ID: <3CEE61F5.B65AA908@mailcity.net>
Source record: 6269
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

stewart wrote:

>
> The capabilities of a well built MURS station can now compete with
> those of a Technician Class station.

That is an over statement if I ever saw one. MURS can no way
compete with any part of ham radio, even Tech class stations.

> Furthermore, MURS users have
> certain privileges that Amateurs don't... for example, MURS users can
> do business, or download short e-mails of any type of content to their
> Mobile PDAs from Internet gateways.

Big deal, there are cell phones for business and internet for
e-mails.

>
> The fact stands - MURS has been made a more capable service, and now
> offers capabilities and privileges on the order of those of the
> Amateur Technician Class license.

Really, how many frequencies for MURS as compared to those
available for Tech class licensees? Compare the power levels
allowed by MURS as allowed for Tech Class. You must be dreaming.

1047. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 17:57:43 UTC
From: Robert Casey <wa2ise@ix.netcom.com>
Message-ID: <3CEE7F17.53C566F0@ix.netcom.com>
Source record: 6270
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

stewart wrote:

> The latest MURS rules changes now simply limit transmitter power
> output to 2W, and remove the old 2W ERP restriction:
>
> http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-02-139A1.doc
>
> This effectively raises the ERP limit to about 10W for omni base
> stations, and about 50W with a directional beam antenna.
>
> With licenseless services like MURS beginning to flourish, Amateur
> Radio just keeps getting less relevant.
>

True if all you want to do is this one thing. But what other license is
there
that lets you use various different modes in various different kinds of
bands? I could drive home with the 2m rig in the car, and once I'm
home I can work some DX on HF with CW or SSB or amtor or such.

1048. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 17:58:34 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0205240958.50295699@posting.google.com>
Source record: 6271
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"Arf! Arf!" <DoggieDaze@Liberalz.com> wrote in message news:<ackekk$dq5$0@pita.alt.net>...

This is the same old argument that we've been hearing for years... FRS
will become just like 11m(with illegal amplifiers), or MURS will
become just like 11m... of course it has been proved completely
wrong. The reason that folks on 11m went to amplifiers was because it
actually helps them increase their communications range - the fact
that they interfere with others when the skip is out is simply a
side-effect. With no skip, there is no incentive to go with
exceedingly higher power in the first place, because it serves
virtually no useful purpose on VHF/UHF.

So - you're going to have to come up with a better argument, this one
just doesn't wash any longer. Thankfully the FCC has figured this
out... too bad many hams haven't.

Stewart - N0MHS

> Not so! The Ham freqs. WILL continue to be relevant. Look for the CB'ers to
> get into these five freqs and ruin them. Two watts? Bah! Since when has a
> CB'er ever played by the rules? Look for them to buy Ham two meter rigs,
> modify the TX, buy an amplifier with five watts in, 100 out and modify it,
> too. They will ruin the MURS frequencies within five years. Mark my words.
> Remember when CB was licensed and limited to 4 watts? Good concept, but it
> was doomed for failure from the outset. The MURS frequencies will meet the
> same fate.
> The MURS frequencies will soon be yet another cluster f*ck akin to the
> eleven meter band, and the FCC will have not the resources to police the
> miscreants. It will be interesting to see how much interference these "new"
> CB freqs. cause to the nationwide cable TV system, too.
> It will only get worse as power contests, filthy language, arguments,
> malicious interference and general eleven meter intellect creates havoc on
> these five frequencies. Ol' Bubba with a cheap, ungrounded station and a gut
> full of Old Milwaukee is gonna have a ball!
> Once the radio mfgrs. get up and running (making $$$) all Hell will break
> loose. I give it five years, tops, before the rabble rousers ruin it for
> all.
> Gee...yet another FCC idea gone bad.
> And the FCC wants to usurp some of OUR bands for commercial interests? This
> makes you wonder who the Hell is watching the store, eh?

1049. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 18:08:37 UTC
From: Robert Casey <wa2ise@ix.netcom.com>
Message-ID: <3CEE81A5.CFADDD1@ix.netcom.com>
Source record: 6272
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"Kï¿½HB" wrote:

>
>
> MURS -- Operation restricted by US borders.
> Tech -- Reciprocal operating agreements with nations all around the globe.
> Advantage -- Tech
>
> I could go on and on, but I'm sure you're getting the picture!
>
> Comparing MURS to even the lowest privileged Amateur Radio license is like
> comparing a tricycle to a Lamborghini, and the comparison suffers even worse
> when you compare MURS to a General or Extra class Amateur Radio license.
>

There's the "no business" rule for ham radio. Which is actually an
advantage for hams in that we don't get invaded with business comms
eating up all or bandwidth. Lawsuits over QRM, etc.....

1050. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 18:30:45 UTC
From: Jim Hampton <aa2qa@frontiernet.net>
Message-ID: <c3b5c1bba90f401df8f3e8b2a2659476.80792@mygate.mailgate.org>
Source record: 6273
Cross-posted to: rec.radio.cb,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.amateur.misc

Heheheh ... sure .... <chuckle chuckle>
Um, what makes you think one can't do e-mail with amateur radio?
Of course, there is fast-scan television (regular tv) as well as slow scan tv. Uhhhh ... I sometimes take my HT (walkie talkie) to work to use during lunch. I've chatted with Australia, England, and other parts of the world ... no, not using internet linking - all rf path. This was with 6 double a alkaline batteries on FM (voice). I've had folks argue that one can't cut through one of those alleged 70,000 watt shoot-out stations. Can't fight the carrier. Hmmmm ... only need to be a short way off the carrier. There are modes that can be copied some 30 dB BELOW the noise level. 50 Hz bandwidths and less (another 20 dB gain). Actually, it should be possible to cut throught that 70,000 watt am signal with 100 watts (properly done, of course). Oh .. internet .. yep, can do that too ... but tell me how you work Australia all rf path on 6 double a alkalines ... with a walkie-talkie .... running all of 4 watts .... into a whip ... and that only requires a tech license. What happens if you have your extra?

BWAaaaaHAHAHAHAHA

try again from Rochester, NY
Jim AA2QA

ps although business use is not what amateur radio is all about, what is it that makes me think that business use is not at all on your mind?

"stewart" <horseshoe7@yahoo.com> wrote in message
news:5f4fe4c2.0205240858.46173c47@posting.google.com

> "K?B" <KAYZEROHANDSOMEBOY@ELECTRICSMOKE.NET> wrote in message
news:<e9jH8.70$3L6.5@newsread2.prod.itd.earthlink.net>...
> > "stewart" <horseshoe7@yahoo.com> wrote
>
> > You fail to mention that FCC degraded MURS from Part 90 to the Part 95 (CB)
> > category, removed some previously allowed modes, and specifically requires
> > that the radios be certificated, thus blowing away your outlaw chant about
> > using Yaesu VX-5R.
>
> However, the restrictions on what types of pre-5/2002 Part 90
> certificated radios will be allowed on MURS has been greatly reduced.
> Now, most any 2W-under Part 90 radio will be allowed. Along with the
> 2W Transmitter Output clarification, this was the most important part
> of the ruling, as there was great confusion as to what was legal.
>
> > Bottom line, it's a 2W CB service, good for not much more than a local

> > intercom service. Fine for some limited requirements, but hardly
> > competition to the worldwide capabilities of even a very modest Amateur
> > Radio station.
>
> The capabilities of a well built MURS station can now compete with
> those of a Technician Class station. Furthermore, MURS users have
> certain privileges that Amateurs don't... for example, MURS users can
> do business, or download short e-mails of any type of content to their
> Mobile PDAs from Internet gateways.
>
> The fact stands - MURS has been made a more capable service, and now
> offers capabilities and privileges on the order of those of the
> Amateur Technician Class license.

--
Posted via Mailgate.ORG Server - http://www.Mailgate.ORG

1051. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 18:52:06 UTC
From: Roger Conroy <rogerconroy@nospam.hotmail.com>
Message-ID: <acm2ob$11e$1@ctb-nnrp1.saix.net>
Source record: 6274
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

I agree - lets see a MURS operator do a moonbounce!!!!! Then we'll start
taking comparisons seriously.
73
Roger ZR1RC

"K&#65533;HB" <KAYZEROHANDSOMEBOY@ELECTRICSMOKE.NET> wrote in message
news:yUuH8.883$3L6.518@newsread2.prod.itd.earthlink.net...
>
> "stewart" <horseshoe7@yahoo.com> wrote
>
> >
> > The fact stands - MURS ..... now offers capabilities and privileges
> > on the order of those of the Amateur Technician Class license.
> >
>
> Not even close to being comparable.
>
> MURS -- 5 specific frequencies, less than 100 Kilohertz of total
bandwidth.
> Tech -- Millions of frequencies 23,962,000 Kilohertz of total bandwidth.
> Advantage Tech 239,620-to-1
>
> MURS -- One band
> Tech -- Seventeen bands
> Advantage Tech 17-to-1
>
> MURS -- 2W output
> Tech -- 1500W output
> Advantage Tech 750-to-1
>
> MURS -- Antenna height 20'
> Tech -- No antenna height restriction.
> Advantage -- Tech
>
> MURS -- FCC certificated radios only. Modifications illegal.
> Tech -- Free to use any purchased, homebrewed, or modified radio without
FCC
> certification.
> Advantage -- Tech
>
> MURS -- Operation restricted by US borders.
> Tech -- Reciprocal operating agreements with nations all around the globe.
> Advantage -- Tech

>
> I could go on and on, but I'm sure you're getting the picture!
>
> Comparing MURS to even the lowest privileged Amateur Radio license is like
> comparing a tricycle to a Lamborghini, and the comparison suffers even
worse
> when you compare MURS to a General or Extra class Amateur Radio license.
>
> 73, de Hans, K0HB
> ��� SOC # 291 http://www.qsl.net/soc/
>
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1052. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 19:22:27 UTC
From: randy_NO_SPAM_PLEASE_@frs-usa.com
Message-ID: <b03b87e2.0205241122.5e74af4a@posting.google.com>
Source record: 6275
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"Arf! Arf!" <DoggieDaze@Liberalz.com> wrote in message news:<ackekk$dq5>
> Not so! The Ham freqs. WILL continue to be relevant. Look for the CB'ers to
> get into these five freqs and ruin them. Two watts? Bah! Since when has a
> CB'er ever played by the rules? Look for them to buy Ham two meter rigs,
> modify the TX, buy an amplifier with five watts in, 100 out and modify it,
> too. They will ruin the MURS frequencies within five years. Mark my words.
> Remember when CB was licensed and limited to 4 watts? Good concept, but it
> was doomed for failure from the outset. The MURS frequencies will meet the
> same fate.

You're right on the money! I said this long ago. The MURS will be
adopted by the truckers and you can bet your bottom dollar that all 5
MURS frequencies will sound like CB Ch. 19.

Randy
http://www.frs-usa.com

1053. Re: Back up Power - charger voltage

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 20:09:49 UTC
From: derek_toeppen@agilent.com
Message-ID: <2219e080.0205241209.36db609a@posting.google.com>
Source record: 6276
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

Vito <vito@crosslink.net> wrote in message news:<3CEE3026.1E751A08@crosslink.net>...

13.2 to 13.6 volts as a general rule. See

http://www.trojan-battery.com/customercare_batterymaint9.html

Derek Toeppen, WA0ZTI

> Richard G Amirault wrote:
> >
> > .... I found out the hard way I had to reduce the
> > voltage on my Astron to keep from over charging my battery.
> >
>
> Hey, Richard,
>
> What voltage setting did you end up using? I spent $toomany on a
> "smart" charger but I have a couple older PS's about that I'd like to
> use like you do the Astron.
> TIA
> K3DWW

1054. Off Topic Spam: Important information regarding your usenet service

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 20:37:14 UTC
From: Tom Currie <N4AOF@iglou.com>
Message-ID: <3CEEA47A.2869B500@iglou.com>
Source record: 6277

```
Newsgroups: rec.radio.amateur.digital.misc
Subject: Important information regarding your usenet service
From: customer.support@broadband.att.com
Approved: abuse@attbi.net
Lines: 40
Message-ID: <YWwH8.12895$uh4.226@typhoon.mw.ipsvc.net>
Date: Fri, 24 May 2002 19:57:44 GMT
NNTP-Posting-Host: 24.131.1.118
X-Complaints-To: abuse@attbi.net
X-Trace: typhoon.mw.ipsvc.net 1022270264 24.131.1.118 (Fri, 24 May
2002 15:57:44 EDT)
NNTP-Posting-Date: Fri, 24 May 2002 15:57:44 EDT
Path:
news.iglou.com!uunet!chi.uu.net!bos.uu.net!ams.uu.net!zur.uu.net!dca.uu.net!priapus.visi.c
om!news-out.visi.com!hermes.visi.com!news-xfer2.newshosting.com!68.1.17.232.MISMATCH!cox.n
et!news-east.rr.com!news-west.rr.com!cyclone1.we.ipsvc.net!cyclone.mw.ipsvc.net!news.mw.ip
svc.net!typhoon.mw.ipsvc.net.POSTED!no-remote.post
Xref: news-incoming.iglou.com rec.radio.amateur.digital.misc:42736

On June 6th, 2002 AT&T Broadband will restructure the configuration
of the
servers, which provide access to Usenet newsgroups.

As a result, you will need to update your newsgroup settings. If you
fail to
update your settings will be unable to download new messages, post
new messages
or post replies to existing messages to newsgroups.

For Outlook Express Users:

First, Remove (Rename) Existing Account (you must do this first):

1. Open Outlook Express.
2. If your folder list is not automatically displayed, select
the VIEW
menu, then click LAYOUT. Click FOLDER LIST, then OK.
3. Click the netnews.attbi.com folder to create a list of
newsgroups to
which you currently subscribe.
4. Select the TOOLS menu, then ACCOUNTS, then the NEWS tab.
5. Select netnews.attbi.com and click REMOVE. Click YES to
confirm.

Then, Create a new news account:
```

1. Open Outlook Express.
2. Select the TOOLS menu, then ACCOUNTS. Click ADD, then NEWS.
3. Type your name as you would like it to appear and click
NEXT.
4. Type your e-mail address in the format username@attbi.com,
then click
NEXT.
5. Type netnews.attbi.com in the news server field, click NEXT,
then
FINISH.
6. Click CLOSE.
7. A prompt to download your list of newsgroups will be
displayed. Click
YES.
8. Choose the newsgroups to which you would like to subscribe
and click
SUBSCRIBE.

Additional information on subscribing to newsgroups is available on
the AT&T
Broadband Online Customer Support Center at
https://help.broadband.att.com/faq.jsp?content_id=1731&category_id=68#configure

1055. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 20:45:33 UTC
From: Dan/W4NTI <w4nti@mindspringnospam.com>
Message-ID: <acm8os$73o$1@slb3.atl.mindspring.net>
Source record: 6278
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

Not really...it means we can get rid of those that want to order a pizza via the autopatch, those that have no idea at all what ham radio is supposed to be, and maybe we could use some thinning out and getting back to basic. Then maybe the un-informed crabbing about what the 'service' is all about will stop because those that are left will actually have read part 97.

Dan/W4NTI

"stewart" <horseshoe7@yahoo.com> wrote in message news:5f4fe4c2.0205231335.52663b3e@posting.google.com...

> With licenseless services like MURS beginning to flourish, Amateur
> Radio just keeps getting less relevant.
>
>
> Horseshoe7, Stewart, N0MHS
> http://groups.yahoo.com/group/MURS-OPEN

1056. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 21:29:48 UTC
From: "Dana H. Myers" <dana@dioxine.net>
Message-ID: <3CEEB0D7.7030405@dioxine.net>
Source record: 6279
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

All this talk about MURS, like it has anything to do
with what most people consider amateur radio! Amateur
radio is much more than simply transmitting and
receiving. Heavens!

If I need convenient, reliable communications with
other people, I use a cell phone. Sure, under
extraordinary circumstances, amateur radio may be
more reliable, but 99.9% of the time, I'm
way better off with my cell phone than my ham radio.

Dana K6JQ
k6jq@arrl.net

Dan/W4NTI wrote:
> Not really...it means we can get rid of those that want to order a pizza via
> the autopatch, those that have no idea at all what ham radio is supposed to
> be, and maybe we could use some thinning out and getting back
> to basic. Then maybe the un-informed crabbing about what the 'service' is
> all about will stop because those that are left will actually have read part
> 97.
>
> Dan/W4NTI
>
> "stewart" <horseshoe7@yahoo.com> wrote in message
> news:5f4fe4c2.0205231335.52663b3e@posting.google.com...
>
>
>>With licenseless services like MURS beginning to flourish, Amateur
>>Radio just keeps getting less relevant.
>>
>>
>>Horseshoe7, Stewart, N0MHS
>>http://groups.yahoo.com/group/MURS-OPEN
>
>
>

1057. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 21:35:38 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0205242134370.13110-100000@exp.bde-arc.ampr.org>
Source record: 6280
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

On 24 May 2002, stewart wrote:
>"D. Stussy" <kd6lvw@bde-arc.ampr.org> wrote in message
news:<Pine.LNX.4.44.0205240604400.12799-100000@exp.bde-arc.ampr.org>...
>
>> Now, go away, Mr. Teaze and go play with your toy radios.
>
>What's wrong with that?
>
>Anyway, the fact is, these radios have far better receiver specs than
>do most amateur radios.
>
>So, if you're gonna play - why not play with the best?

...But as NON-AMATEUR radios, this crap has no reason being on the amateur
newsgroups. (I will let the crossposted groups' readers for other services
make their own objections).

1058. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 21:40:11 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0205242136410.13110-100000@exp.bde-arc.ampr.org>
Source record: 6281
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

On Fri, 24 May 2002, KØHB wrote:
>Not even close to being comparable. ....
>
>Comparing MURS to even the lowest privileged Amateur Radio license is like
>comparing a tricycle to a Lamborghini, and the comparison suffers even worse
>when you compare MURS to a General or Extra class Amateur Radio license.

With the standards Hans used, MURS even is disavantaged as compared to CB class D (27MHz)! However, for that mode, the only advantage is more latitude on signal content (digital is allowed).

Now that we've established that it's worse than CB, you really need to go back to that dream you call life and tell yourself that everything will be OK, even after the labatomy.

1059. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 22:15:31 UTC
From: sparky@cet.com
Message-ID: <3ceeb3fb.1153150@news.cet.com>
Source record: 6282
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

In <5f4fe4c2.0205240958.50295699@posting.google.com>,
horseshoe7@yahoo.com (stewart) wrote:

>"Arf! Arf!" <DoggieDaze@Liberalz.com> wrote in message
news:<ackekk$dq5$0@pita.alt.net>...
>
>This is the same old argument that we've been hearing for years... FRS
>will become just like 11m(with illegal amplifiers), or MURS will
>become just like 11m... of course it has been proved completely
>wrong. The reason that folks on 11m went to amplifiers was because it
>actually helps them increase their communications range

That's a load of horseshit that a vulture wouldn't touch. You can't
work what you can't hear, and the only way to find a signal near the
noise floor is to improve your antenna. Even if the "other guy" gets a
linear, you still have limited range because of the crappy propagation
of the band. The only reason people buy linears is because of the
king-of-the-hill mentality that most of us abandoned after grade
school.

> - the fact
>that they interfere with others when the skip is out is simply a
>side-effect. With no skip, there is no incentive to go with
>exceedingly higher power in the first place, because it serves
>virtually no useful purpose on VHF/UHF.

Amps interfere with others, skip or not. Part of the "skip" they
complain about is bleeding from overmodulated radios and crappy amps,
and part of it is the normal increase in the noise floor from local
signals as the band use increases in the daytime hours. Anyone with a
scanner knows the latter is true because the exact same thing happens
with the cordless phone channels. So considering both those problems,
I can just about guarantee you that the same thing is going to happen
on FRS and MURS as it happened on the CB. And they will use the same
lame arguments to justify the use of amps, and for freebanding on
nearby freqs.

>So - you're going to have to come up with a better argument, this one
>just doesn't wash any longer. Thankfully the FCC has figured this
>out... too bad many hams haven't.

The FCC wears blinders to both reality and criticizm. When the abuses
with CB became excessive they ignored the problem and dropped the
license requirement. Their current reasoning for FRS is that they
implemented manufacturing requirements that would prevent abuse, but

they totally ignore the resourcefulness and determination of the pirates, as well as the historically high profits from illegal radio equipment. The existence of any band with little or no enforcement is just asking for trouble, and the abuses will continue until the Commission pulls their heads out of [the sand].

1060. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 22:21:27 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0205241421.45686ba@posting.google.com>
Source record: 6283
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"K?B" <KAYZEROHANDSOMEBOY@ELECTRICSMOKE.NET> wrote in message
news:<yUuH8.883$3L6.518@newsread2.prod.itd.earthlink.net>...
> "stewart" <horseshoe7@yahoo.com> wrote
>
> >
> > The fact stands - MURS ..... now offers capabilities and privileges
> > on the order of those of the Amateur Technician Class license.
> >
>
> Not even close to being comparable.
>
> MURS -- 5 specific frequencies, less than 100 Kilohertz of total bandwidth.
> Tech -- Millions of frequencies 23,962,000 Kilohertz of total bandwidth.
> Advantage Tech 239,620-to-1
>
> MURS -- One band
> Tech -- Seventeen bands
> Advantage Tech 17-to-1

For the most part, there is very little action on any VHF/UHF band
other than 2m.

> MURS -- 2W output
> Tech -- 1500W output
> Advantage Tech 750-to-1

Unless your doing something bizarre, like EME, anything over 5W is
basically overkill. 2W TPO is decent, if you've got a good antenna.

And even 2m has gone dormant in recent years. Other than a few
high-level repeaters, the band is virtually unused.

Stewart - N0MHS

1061. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 22:26:06 UTC
From: Randy <rchapman8@houston.rr.com>
Message-ID: <26zH8.130793$Q42.6570780@typhoon.austin.rr.com>
Source record: 6284
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"Sparky" <sparky@cet.com> wrote in message
news:3ceeb3fb.1153150@news.cet.com...
> In <5f4fe4c2.0205240958.50295699@posting.google.com>,
> horseshoe7@yahoo.com (stewart) wrote:
>
> >"Arf! Arf!" <DoggieDaze@Liberalz.com> wrote in message
news:<ackekk$dq5$0@pita.alt.net>...
> >
> >This is the same old argument that we've been hearing for years... FRS
> >will become just like 11m(with illegal amplifiers), or MURS will
> >become just like 11m... of course it has been proved completely
> >wrong. The reason that folks on 11m went to amplifiers was because it
> >actually helps them increase their communications range
>
> That's a load of horseshit that a vulture wouldn't touch. You can't
> work what you can't hear, and the only way to find a signal near the
> noise floor is to improve your antenna. Even if the "other guy" gets a
> linear, you still have limited range because of the crappy propagation
> of the band. The only reason people buy linears is because of the
> king-of-the-hill mentality that most of us abandoned after grade
> school.
>
> > - the fact
> >that they interfere with others when the skip is out is simply a
> >side-effect. With no skip, there is no incentive to go with
> >exceedingly higher power in the first place, because it serves
> >virtually no useful purpose on VHF/UHF.
>
> Amps interfere with others, skip or not. Part of the "skip" they
> complain about is bleeding from overmodulated radios and crappy amps,
> and part of it is the normal increase in the noise floor from local
> signals as the band use increases in the daytime hours. Anyone with a
> scanner knows the latter is true because the exact same thing happens
> with the cordless phone channels. So considering both those problems,
> I can just about guarantee you that the same thing is going to happen
> on FRS and MURS as it happened on the CB. And they will use the same
> lame arguments to justify the use of amps, and for freebanding on
> nearby freqs.
>
> >So - you're going to have to come up with a better argument, this one
> >just doesn't wash any longer. Thankfully the FCC has figured this
> >out... too bad many hams haven't.
>

> The FCC wears blinders to both reality and criticizm. When the abuses
> with CB became excessive they ignored the problem and dropped the
> license requirement. Their current reasoning for FRS is that they
> implemented manufacturing requirements that would prevent abuse, but
> they totally ignore the resourcefulness and determination of the
> pirates, as well as the historically high profits from illegal radio
> equipment. The existence of any band with little or no enforcement is
> just asking for trouble, and the abuses will continue until the
> Commission pulls their heads out of [the sand].
>

So Sparky, got any suggestions on building a dual band amp for FRS and MURS?
Oh wait, nevermind, Mirage already makes those. TeeHee!

1062. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 22:34:53 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0205241434.397a6fb2@posting.google.com>
Source record: 6285
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

Robert Casey <wa2ise@ix.netcom.com> wrote in message
news:<3CEE7F17.53C566F0@ix.netcom.com>...

> >
> > With licenseless services like MURS beginning to flourish, Amateur
> > Radio just keeps getting less relevant.
> >
>
> True if all you want to do is this one thing. But what other license is
> there
> that lets you use various different modes in various different kinds of
> bands? I could drive home with the 2m rig in the car, and once I'm
> home I can work some DX on HF with CW or SSB or amtor or such.

Most people nowadays go on the Internet when they get home, and can
reliably talk just about anywhere in the world for free.

But, in any event, I'm basically comparing MURS to Amateur Technician
2m... there is now very little difference between the two. Hams have
repeaters, but most of them go unused these days, and any of the good
ones cost you money - so you might as well get a cell phone.

The biggest kicker is that, with ham radio, you can't even talk to
your friends, family members, and co-workers. This is why I've
continued to push for re-opening up the Novice Class as a no-code
VHF/UHF-only license - at least you would have somebody to talk to on
VHF/UHF.

Stewart - N0MHS

1063. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 22:40:43 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0205241440.35a2d57a@posting.google.com>
Source record: 6286
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

JJ <radiobuff0@mailcity.net> wrote in message news:<3CEE61F5.B65AA908@mailcity.net>...
> stewart wrote:
>
> >
> > The capabilities of a well built MURS station can now compete with
> > those of a Technician Class station.
>
> That is an over statement if I ever saw one. MURS can no way
> compete with any part of ham radio, even Tech class stations.

I disagree, for the average Tech with a 2m handheld, a 2.1m hanheld
will compete quite nicely.

> > Furthermore, MURS users have
> > certain privileges that Amateurs don't... for example, MURS users can
> > do business, or download short e-mails of any type of content to their
> > Mobile PDAs from Internet gateways.
>
> Big deal, there are cell phones for business and internet for
> e-mails.

... and they cost $$$$ MURS is free.

> >
> > The fact stands - MURS has been made a more capable service, and now
> > offers capabilities and privileges on the order of those of the
> > Amateur Technician Class license.
>
> Really, how many frequencies for MURS as compared to those
> available for Tech class licensees? Compare the power levels
> allowed by MURS as allowed for Tech Class. You must be dreaming.

Anything over 5W is overkill for anything other than bizarre
applications like EME... 2W is plenty with a couple of good antennas
at each end of the link.

Stewart - N0MHS

1064. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 22:40:56 UTC
From: "Dana H. Myers" <dana@dioxine.net>
Message-ID: <3CEEC15D.6090905@dioxine.net>
Source record: 6287
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

stewart wrote:

> But, in any event, I'm basically comparing MURS to Amateur Technician
> 2m... there is now very little difference between the two. Hams have
> repeaters, but most of them go unused these days, and any of the good
> ones cost you money - so you might as well get a cell phone.

This statement strikes me as rather ignorant of reality.
If you're having fun using MURS, knock yourself out. If
MURS is as good as ham radio for you, that's your thing.
It just doesn't seem to make much sense for most of the
people I know in ham radio.

Dana

1065. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 22:44:44 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0205242240040.13151-100000@exp.bde-arc.ampr.org>
Source record: 6288
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

On 24 May 2002, stewart wrote:
>Robert Casey <wa2ise@ix.netcom.com> wrote in message
news:<3CEE7F17.53C566F0@ix.netcom.com>...
>> > With licenseless services like MURS beginning to flourish, Amateur
>> > Radio just keeps getting less relevant.
>> >
>>
>> True if all you want to do is this one thing. But what other license is
>> there
>> that lets you use various different modes in various different kinds of
>> bands? I could drive home with the 2m rig in the car, and once I'm
>> home I can work some DX on HF with CW or SSB or amtor or such.
>
>Most people nowadays go on the Internet when they get home, and can
>reliably talk just about anywhere in the world for free.

FOR FREE? If you mean via the computer, there's still the ISP monthly charge
or its equvalent (the DSL line, cable modem, T1, or whatever). Who provides
that for free? If you meant free = "no additional charge", you failed to
account for the hidden monthly charges I just stated. Then, there's the
indirect charges, such as the electric bill (most people pay a power company,
or for gas for their generator, etc....).

>But, in any event, I'm basically comparing MURS to Amateur Technician
>2m... there is now very little difference between the two. Hams have
>repeaters, but most of them go unused these days, and any of the good
>ones cost you money - so you might as well get a cell phone.

Maybe they only go unused when you're around because no one wants to talk to
you, or like the people on this group, they've already "heard it all" from you!

>The biggest kicker is that, with ham radio, you can't even talk to
>your friends, family members, and co-workers. This is why I've
>continued to push for re-opening up the Novice Class as a no-code
>VHF/UHF-only license - at least you would have somebody to talk to on
>VHF/UHF.

1066. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 22:56:21 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0205241456.69dce605@posting.google.com>
Source record: 6289
Cross-posted to: rec.radio.cb,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.amateur.misc

"Jim Hampton" <aa2qa@frontiernet.net> wrote in message
news:<c3b5c1bba90f401df8f3e8b2a2659476.80792@mygate.mailgate.org>...

> Heheheh ... sure .... <chuckle chuckle>
> Um, what makes you think one can't do e-mail with amateur radio?
> Of course, there is fast-scan television (regular tv) as well as slow
> scan tv. Uhhhh ... I sometimes take my HT (walkie talkie) to work to
> use during lunch. I've chatted with Australia, England, and other
> parts of the world ... no, not using internet linking - all rf path.
> This was with 6 double a alkaline batteries on FM (voice). I've had
> folks argue that one can't cut through one of those alleged 70,000 watt
> shoot-out stations. Can't fight the carrier. Hmmmm ... only need to
> be a short way off the carrier. There are modes that can be copied some
> 30 dB BELOW the noise level. 50 Hz bandwidths and less (another 20 dB
> gain). Actually, it should be possible to cut throught that 70,000 watt
> am signal with 100 watts (properly done, of course). Oh .. internet ..
> yep, can do that too ... but tell me how you work Australia all rf path
> on 6 double a alkalines ... with a walkie-talkie .... running all of 4
> watts .... into a whip ... and that only requires a tech license. What
> happens if you have your extra?
>
> BWAaaaaHAHAHAHAHA

Do you have some kind of point?

> try again from Rochester, NY
> Jim AA2QA
>
> ps although business use is not what amateur radio is all about, what is
> it that makes me think that business use is not at all on your mind?

Absolutely. What is wrong with that? Again, do you have some kind of
point? I suppose not... and it seems that is the underlying problem
these days with Amateur Radio - it is basically pointless.

Stewart - N0MHS

1067. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 23:11:11 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0205241511.6a6f64b@posting.google.com>
Source record: 6290
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"Roger Conroy" <rogerconroy@nospam.hotmail.com> wrote in message
news:<acm2ob$11e$1@ctb-nnrp1.saix.net>...
> I agree - lets see a MURS operator do a moonbounce!!!!! Then we'll start
> taking comparisons seriously.

Moonbounce? Have you completely lost all touch with reality? The
fact that is basically all Amateur Radio seems to have to offer on
VHF/UHF for a Technician operator PROOVES how irrelevant ham radio is
becoming

Repeaters, maybe... but moonbounce? Give me a break.

Stewart - N0MHS

P.S. You can already do repeaters on GMRS, and I suspect that MURS
will eventually be expanded to allow low-level repeaters on certain
new frequencies... I'm been pushing the idea of a crossband VHF/UHF
repeater capability, so Joe Average homeowner can set up a repeater
site inexpensively.

1068. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 23:23:06 UTC
From: "Joe Bramblett, KD5NRH" <kd5nrh-r.r.a.p@kd5nrh.net>
Message-ID: <12A78BE921DA8AA0.7094819E13DB5FE3.6854E0C42066A42E@lp.airnews.net>
Source record: 6291
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

On Fri, 24 May 2002 17:38:38 GMT, "Kï¿½HB"
<KAYZEROHANDSOMEBOY@ELECTRICSMOKE.NET> wrote:

>MURS -- 5 specific frequencies, less than 100 Kilohertz of total bandwidth.
>Tech -- Millions of frequencies 23,962,000 Kilohertz of total bandwidth.
>Advantage Tech 239,620-to-1

Aren't you forgetting the "All above 300GHz," which technically means
that Techs have an infinite amount of bandwidth? (Though building
those 300nm yagis can be a pain in the ass)

Also don't forget the little bonuses like IRLP, other link systems,
and in general, the ease of finding repeaters on 2m and 70cm. Even if
they allow repeaters on MURS, you won't be able to find enough of them
to give reliable comms over more than a couple of miles.

Joe Bramblett, KD5NRH
kd5nrh@kd5nrh.net
http://www.kd5nrh.net

1069. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-24 23:26:35 UTC
From: "Joe Bramblett, KD5NRH" <kd5nrh-r.r.a.p@kd5nrh.net>
Message-ID: <8D9B12C89638CC30.69FBAE998BAAE243.A6D6DF330576D1BC@lp.airnews.net>
Source record: 6292
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

On 24 May 2002 10:58:34 -0700, horseshoe7@yahoo.com (stewart) wrote:

>This is the same old argument that we've been hearing for years... FRS
>will become just like 11m(with illegal amplifiers), or MURS will
>become just like 11m... of course it has been proved completely
>wrong.

Nope, it just hasn't had time yet. There are still way too many
people out there that aren't familiar with FRS. Once they start
fiddling with it, some of them will start ruining it, and it will be
all downhill from there.

Joe Bramblett, KD5NRH
kd5nrh@kd5nrh.net
http://www.kd5nrh.net

1070. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 00:38:17 UTC
From: DougSlug <dw_firewall@hotmail.com>
Message-ID: <Z1BH8.134907$ja.38409001@news02.optonline.net>
Source record: 6293
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

Less relevant? Relevant to what?

I'm a little disappointed, Stewart...I didn't think flagrant trolling was
your style.

- Doug

"stewart" <horseshoe7@yahoo.com> wrote:
> Amateur Radio just keeps getting less relevant.
>
> Horseshoe7, Stewart, N0MHS

1071. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 00:55:52 UTC
From: Brian P Burke <bpburke@prodigy.net>
Message-ID: <siBH8.2166$SF7.111032518@newssvr16.news.prodigy.com>
Source record: 6294
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

Do if you got about 300 murs talkies and fastened them at the correct spacing interval to a fiberglass boom, and had a way to key then all simultaneously...

"Roger Conroy" <rogerconroy@nospam.hotmail.com> wrote in message
news:acm2ob$11e$1@ctb-nnrp1.saix.net...
> I agree - lets see a MURS operator do a moonbounce!!!!! Then we'll start
> taking comparisons seriously.
> 73
> Roger ZR1RC
>
>
> "K�HB" <KAYZEROHANDSOMEBOY@ELECTRICSMOKE.NET> wrote in message
> news:yUuH8.883$3L6.518@newsread2.prod.itd.earthlink.net...
> >
> > "stewart" <horseshoe7@yahoo.com> wrote
> >
> > >
> > > The fact stands - MURS ..... now offers capabilities and privileges
> > > on the order of those of the Amateur Technician Class license.
> > >
> >
> > Not even close to being comparable.
> >
> > MURS -- 5 specific frequencies, less than 100 Kilohertz of total
> bandwidth.
> > Tech -- Millions of frequencies 23,962,000 Kilohertz of total bandwidth.
> > Advantage Tech 239,620-to-1
> >
> > MURS -- One band
> > Tech -- Seventeen bands
> > Advantage Tech 17-to-1
> >
> > MURS -- 2W output
> > Tech -- 1500W output
> > Advantage Tech 750-to-1
> >
> > MURS -- Antenna height 20'
> > Tech -- No antenna height restriction.
> > Advantage -- Tech
> >
> > MURS -- FCC certificated radios only. Modifications illegal.
> > Tech -- Free to use any purchased, homebrewed, or modified radio without

> FCC
> > certification.
> > Advantage -- Tech
> >
> > MURS -- Operation restricted by US borders.
> > Tech -- Reciprocal operating agreements with nations all around the
globe.
> > Advantage -- Tech
> >
> > I could go on and on, but I'm sure you're getting the picture!
> >
> > Comparing MURS to even the lowest privileged Amateur Radio license is
like
> > comparing a tricycle to a Lamborghini, and the comparison suffers even
> worse
> > when you compare MURS to a General or Extra class Amateur Radio license.
> >
> > 73, de Hans, K0HB
> > ��� SOC # 291 http://www.qsl.net/soc/
> >
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1072. Re: Back up Power - charger voltage

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 01:02:53 UTC
From: tmgroatatpeakpeakdotcom
Message-ID: <3ceee021.478823@news.peakpeak.com>
Source record: 6295
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

>What voltage setting did you end up using? I spent $toomany on a
>"smart" charger but I have a couple older PS's about that I'd like to
>use like you do the Astron.
>TIA
>K3DWW

Recommendations vary among battery manufacturers and even for models made by the same manufacturer. Get their specifications and follow them.

Remember that float voltage is temperature dependent, and the specified voltage usually is at 25 degrees C. For other temperatures, compensate according to the manufacturer's spec (-3mV to -5mV per cell, per degree C). If you see a lot of temperture variation, consider getting a temperature-corrected charger. Your batteries will last longer!

--KR0U

-- Tim Groat

To reply by e-mail, change the quoted words to
the corresponding punctuation marks.

1073. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 01:25:32 UTC
From: sparky@cet.com
Message-ID: <3ceee73b.2461793@news.cet.com>
Source record: 6296
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

In <26zH8.130793$Q42.6570780@typhoon.austin.rr.com>, "Randy"
<rchapman8@houston.rr.com> wrote:

<snip>
>So Sparky, got any suggestions on building a dual band amp for FRS and MURS?
>Oh wait, nevermind, Mirage already makes those. TeeHee!

What do you call that -- flaming spam?

BTW Randy, it's been so long since you ducked the issue, I can't
remember if you said one-way skip causes -more- or -less- interference
than two-way skip. So which is it?

1074. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 01:43:56 UTC
From: Phil Kane <Phil.Kane@na.shmavz.ka.pop>
Message-ID: <cuvyxnansvbet.gwmxepp.pminews@netnews.attbi.com>
Source record: 6297
Cross-posted to: alt.radio.family,rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.cb

On 24 May 2002 09:58:11 -0700, stewart wrote:

>The fact stands - MURS has been made a more capable service, and now
>offers capabilities and privileges on the order of those of the
>Amateur Technician Class license.

The fact stands - the only reason that there is a "MURS" is that folks went to the nearest CostCo or BestBuy and bought the JobComm or Color-Dot radios which were intended for small business use WITH A LICENSE and then started using them without benefit of same. This is criminal behavior no better than the ham-band "bootlegger" or the broadcast "pirate".

The Commish'- to my deep disgust - was more interested in getting more economists and phone-company=merger specialists on board - folks who had no concept of what radio regulation was all about or should be - than in putting more law enforcement agents on the streets to clean up the mess, and the rest is history.

Two methods of Rules changes - go through the procedures starting with a Petition for Rulemaking, or just go ahead and do what the law does not allow you to do and if enough people do it the gov'mint will turn chicken and leave you alone.

The second method makes me sick.

<Enough ranting>

---
73 de K2ASP - Phil Kane

1075. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 01:43:59 UTC
From: Phil Kane <Phil.Kane@na.shmavz.ka.pop>
Message-ID: <cuvyxnansvbet.gwmxloq.pminews@netnews.attbi.com>
Source record: 6298
Cross-posted to: alt.radio.family,rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.cb

On 24 May 2002 10:58:34 -0700, stewart wrote:

>So - you're going to have to come up with a better argument, this one
>just doesn't wash any longer. Thankfully the FCC has figured this
>out... too bad many hams haven't.

The FCC created MURS because Washington didn't want to bother
enforcing the rules. See my other post(s).

---
73 de K2ASP - Phil Kane

1076. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 01:51:22 UTC
From: horseshoe7 <horseshoe7@yahoo.com>
Message-ID: <u6CH8.43700$db7.1534281@news2.west.cox.net>
Source record: 6299
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"Sparky" <sparky@cet.com> wrote in message
news:3ceeb3fb.1153150@news.cet.com...0
> In <5f4fe4c2.0205240958.50295699@posting.google.com>,
> horseshoe7@yahoo.com (stewart) wrote:
>
> >This is the same old argument that we've been hearing for years... FRS
> >will become just like 11m(with illegal amplifiers), or MURS will
> >become just like 11m... of course it has been proved completely
> >wrong. The reason that folks on 11m went to amplifiers was because it
> >actually helps them increase their communications range
>
> That's a load of horseshit that a vulture wouldn't touch. You can't
> work what you can't hear, and the only way to find a signal near the
> noise floor is to improve your antenna. Even if the "other guy" gets a
> linear, you still have limited range because of the crappy propagation
> of the band. The only reason people buy linears is because of the
> king-of-the-hill mentality that most of us abandoned after grade
> school.

On HF, the best approach is to use the same amount of power as the station you're trying to communicate with, and use the best antenna possible. The same hold true on VHF, except that at a certain point, increasing power will do you no good, because the other station is out of LOS.

The point is - Amps are more useful on HF because of beyond LOS propagation - therefore they exist... it really does no good to use amps on VHF - their are of course a number of ways to increase LOS comm range, increasing Tx power is one of the least efficient(and ineffective after a certain point). I've written a web page about the whole deal:

http://www.geocities.com/horseshoe7/repeat.html

So please, do try to feed me a bunch of happy horsecrap about using amps on VHF/UHF - it is VIRTUALLY USELESS. You tried to apply my statement in the wrong context, and got yourself 360 degrees turned around - you tried to argue with me, but just ended up agreeing with me.

stewart - horseshoe7 - n0mhs

1077. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 01:52:39 UTC
From: horseshoe7 <horseshoe7@yahoo.com>
Message-ID: <H7CH8.43701$db7.1534480@news2.west.cox.net>
Source record: 6300
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"Randy A. Hefner" <randy_NO_SPAM_PLEASE_@frs-usa.com> wrote in message

> You're right on the money! I said this long ago. The MURS will be
> adopted by the truckers and you can bet your bottom dollar that all 5
> MURS frequencies will sound like CB Ch. 19.

Yes, Randy, you keep saying it but it has NEVER HAPPENED.

> Randy

1078. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 01:56:52 UTC
From: JJ <radiobuff0@mailcity.net>
Message-ID: <3CEED2C9.172E6346@mailcity.net>
Source record: 6151
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

stewart wrote:

>
> For the most part, there is very little action on any VHF/UHF band
> other than 2m.

You really should get a vhf/uhf radio that actually receives and
listen again.

1079. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 02:05:26 UTC
From: sparky@cet.com
Message-ID: <3ceef008.4714762@news.cet.com>
Source record: 6152
Cross-posted to: alt.radio.family,rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.cb

In <cuvyxnansvbet.gwmxepp.pminews@netnews.attbi.com>, "Phil Kane"
<Phil.Kane@na.shmavz.ka.pop> wrote:

>On 24 May 2002 09:58:11 -0700, stewart wrote:
>
>>The fact stands - MURS has been made a more capable service, and now
>>offers capabilities and privileges on the order of those of the
>>Amateur Technician Class license.
>
> The fact stands - the only reason that there is a "MURS" is that
> folks went to the nearest CostCo or BestBuy and bought the JobComm
> or Color-Dot radios which were intended for small business use WITH
> A LICENSE and then started using them without benefit of same. This
> is criminal behavior no better than the ham-band "bootlegger" or the
> broadcast "pirate".
>
> The Commish'- to my deep disgust - was more interested in getting
> more economists and phone-company=merger specialists on board -
> folks who had no concept of what radio regulation was all about or
> should be - than in putting more law enforcement agents on the
> streets to clean up the mess, and the rest is history.

True story.

> Two methods of Rules changes - go through the procedures starting
> with a Petition for Rulemaking, or just go ahead and do what the law
> does not allow you to do and if enough people do it the gov'mint will
> turn chicken and leave you alone.

I think it depends on which lobbyist carries the most cash. A harsh
accusation to be sure, but many of the Commission's decisions in the
past few years are inconsistent with any other method of management.

1080. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 02:27:17 UTC
From: horseshoe7 <horseshoe7@yahoo.com>
Message-ID: <9ECH8.43711$db7.1538638@news2.west.cox.net>
Source record: 6154
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"DougSlug" <dw_firewall@hotmail.com> wrote in message
news:Z1BH8.134907$ja.38409001@news02.optonline.net...
> Less relevant? Relevant to what?

> I'm a little disappointed, Stewart...I didn't think flagrant trolling was
> your style.

Are you kidding me? I've put out some WHOPPERS over the years on rrap. See below for an example of one: "synthetic ionization of the ionosphere".

But, I do think that the VHF/UHF ham frequencies are being wasted, and we need to reinvoke NOVICE class as a no-code VHF/UHF only license... or, simply expand services like FRS and MURS. 11m CB is a red-herring and has virtually nothing to do with VHF/UHF.

****
Tech advances force FCC to consider Ham HF freq auction:

WASHINGTON (AP) - Spurred by the many recent advancements in the Laser ionization technology field, the ITI Corporation (Ionization Technologies, Inc. - Fairfax, VA) has proven that it is now economically feasible to synthetically ionize specific areas of the ionosphere, opening up new many new reliable and low-cost telecommunications applications.

The best frequencies for utilizing this technology lie in the HF portion of the electromagnetic spectrum. While the HF portion of the frequency spectrum has long since been allocated to specific purposes; there are many HF frequencies which could be re-allocated to better serve the nation. The Federal Communication Commission(FCC) is considering re-allocating at least half of the Amateur Radio Service's current HF frequency spectrum to the newly proposed ISS(Ionization Skip Service), where it can better serve the public's telecommunications needs.

Stewart Robertson, President of ITI, says; "The older naturally-induced HF skip communication techniques essentially waste 99.9% of the HF bandwidth, and communications are generally of very poor quality, very unreliable, and end up causing wide-spread interference. Using the new synthetic ionization techniques, we can specifically direct RF energy over great distances, wherever we want it, anytime we want it. Communications are no longer predicated on solar activity - we can now directly and safely control ionization evels in specific areas of the ionosphere, opening up all kinds of new possibilites in reliable long-range communications applications."

1081. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 02:35:32 UTC
From: sparky@cet.com
Message-ID: <3ceef1e6.5191950@news.cet.com>
Source record: 6156
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

In <u6CH8.43700$db7.1534281@news2.west.cox.net>, "horseshoe7"
<horseshoe7@yahoo.com> wrote:

>
>"Sparky" <sparky@cet.com> wrote in message
>news:3ceeb3fb.1153150@news.cet.com...0
>> In <5f4fe4c2.0205240958.50295699@posting.google.com>,
>> horseshoe7@yahoo.com (stewart) wrote:
>>
>> >This is the same old argument that we've been hearing for years... FRS
>> >will become just like 11m(with illegal amplifiers), or MURS will
>> >become just like 11m... of course it has been proved completely
>> >wrong. The reason that folks on 11m went to amplifiers was because it
>> >actually helps them increase their communications range
>>
>> That's a load of horseshit that a vulture wouldn't touch. You can't
>> work what you can't hear, and the only way to find a signal near the
>> noise floor is to improve your antenna. Even if the "other guy" gets a
>> linear, you still have limited range because of the crappy propagation
>> of the band. The only reason people buy linears is because of the
>> king-of-the-hill mentality that most of us abandoned after grade
>> school.
>
>On HF, the best approach is to use the same amount of power as the station
>you're trying to communicate with, and use the best antenna possible. The
>same hold true on VHF, except that at a certain point, increasing power will
>do you no good, because the other station is out of LOS.
>
>The point is - Amps are more useful on HF because of beyond LOS
>propagation - therefore they exist... it really does no good to use amps on
>VHF - their are of course a number of ways to increase LOS comm range,
>increasing Tx power is one of the least efficient(and ineffective after a
>certain point). I've written a web page about the whole deal:
>
>http://www.geocities.com/horseshoe7/repeat.html
>
>So please, do try to feed me a bunch of happy horsecrap about using amps on
>VHF/UHF - it is VIRTUALLY USELESS. You tried to apply my statement in the
>wrong context, and got yourself 360 degrees turned around - you tried to
>argue with me, but just ended up agreeing with me.
>
>stewart - horseshoe7 - n0mhs

Maybe you are not familiar with the mentality of these idiots. Regarding amps, the most important thing is "swang", referring to needle movement. They start by modifying their radios. The modulation limiter is disabled so they can sound "louder", irrespective of splatter and harmonics. Then they run the output to a Class C driver with the intention of re-modulating the carrier just to get the peak power higher. Then it gets sent to the final amp, which is usually just a box filled with push-pull power transistors and wired in parallel. These amps are not designed for linearity, but for raw power. They are not intended for communication, but for "stepping power". Have you ever attended a "keydown"? It is a contest to see which amp is louder, and intelligibility of the audio is almost irrelevant: Two mobiles are set up on a line, they rev the motors and key away at the same time. The winner is the one that is heard above the other. Forget ERP or linearity, it's nothing more than an RF drag race.

Now we all know that ground-wave propogation on 11m sucks almost as bad as VHF and skip is very inconsistent, which is probably why the hams abandoned it years ago. Just like VHF, 11m has a limit as to how much power is practical, yet amps in excess or 1000 watts are commonly used by IOs.

Not only that, but there is a lot of money to be made by making and selling illegal radio equipment. They already know that some people will be violating the laws on the band, so all they need to do is convince them that what they need is a bigger amp. That's not hard to do, even if a bigger amp provides no practial benefit whatsoever, because they will tap the competitive nature of people: "My amp is bigger than YOUR amp!" It works. Just look at how many illegal amps are for sale on the net.

The point is that they don't care about any sort of practical communication, they are only interested in doing whatever gets their rocks off, to the detriment of anyone else using the band, and they will do so while laughing in the face of the US Government. Unless the FCC decides to police the bands, the same thing will happen on MURS and FRS, because that's the way people are.

1082. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 02:38:24 UTC
From: sparky@cet.com
Message-ID: <3ceef8c8.6953999@news.cet.com>
Source record: 6157
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

In <5f4fe4c2.0205241421.45686ba@posting.google.com>,
horseshoe7@yahoo.com (stewart) wrote:

>"K?B" <KAYZEROHANDSOMEBOY@ELECTRICSMOKE.NET> wrote in message
news:<yUuH8.883$3L6.518@newsread2.prod.itd.earthlink.net>...
>> "stewart" <horseshoe7@yahoo.com> wrote
>>
>> >
>> > The fact stands - MURS ..... now offers capabilities and privileges
>> > on the order of those of the Amateur Technician Class license.
>> >
>>
>> Not even close to being comparable.
>>
>> MURS -- 5 specific frequencies, less than 100 Kilohertz of total bandwidth.
>> Tech -- Millions of frequencies 23,962,000 Kilohertz of total bandwidth.
>> Advantage Tech 239,620-to-1
>>
>> MURS -- One band
>> Tech -- Seventeen bands
>> Advantage Tech 17-to-1
>
>For the most part, there is very little action on any VHF/UHF band
>other than 2m.

Maybe in the wilds of Alaska...

>> MURS -- 2W output
>> Tech -- 1500W output
>> Advantage Tech 750-to-1
>
>Unless your doing something bizarre, like EME, anything over 5W is
>basically overkill. 2W TPO is decent, if you've got a good antenna.
>
>And even 2m has gone dormant in recent years. Other than a few
>high-level repeaters, the band is virtually unused.

Hardly. It's used quite a bit in just about every metro area I have
traveled through. Have you tried hooking up your antenna?

1083. Re: Back up Power

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 02:59:27 UTC
From: Roy Lewallen <w7el@eznec.com>
Message-ID: <3CEEFE0F.B6891A73@eznec.com>
Source record: 6158
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

I've found that, for reasons that I don't understand, amateurs call all sealed lead-acid batteries "gel cells". All the sealed lead-acid batteries I've seen, with the exception of cylindrical Gates cells, have liquid electrolyte. Sealed lead-acid batteries with gelled electrolyte do exist, but they're relatively rare. So without other information, I'd assume that the Mendelsons "gel cells" have liquid electrolyte, not gelled.

Roy Lewallen, W7EL

JB wrote:
>
> 17AH gel cells will barely run an HT. High current drains are
> impractical because gassing within the cells insulates the plates
> faster than the gel can absorb and causes the internal resistance to
> rise out of hand. Current drains should be limited to 20% of AH
> rating (and with boat batteries too).
>
> Big as you can get (into your tray) Marine/Starting batteries are a
> pretty good compromise if you have to use it in your car.
>
> Jim, ac6tk

1084. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 03:00:40 UTC
From: Jar Jar Binks <Anon@anon.com>
Message-ID: <acmun4$hc7$0@pita.alt.net>
Source record: 6159
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"K&#65533;HB" <KAYZEROHANDSOMEBOY@ELECTRICSMOKE.NET> wrote in message
news:e9jH8.70$3L6.5@newsread2.prod.itd.earthlink.net...
>
> "stewart" <horseshoe7@yahoo.com> wrote
>
> >
> > With licenseless services like MURS beginning to flourish, Amateur
> > Radio just keeps getting less relevant.
> >
>
> You fail to mention that FCC degraded MURS from Part 90 to the Part 95
(CB)
> category, removed some previously allowed modes, and specifically requires
> that the radios be certificated, thus blowing away your outlaw chant about
> using Yaesu VX-5R.
>
> Bottom line, it's a 2W CB service, good for not much more than a local
> intercom service. Fine for some limited requirements, but hardly
> competition to the worldwide capabilities of even a very modest Amateur
> Radio station.
>
> With all kind wishes,
>
> de Hans, K0HB

Hans. That is what 11 Mtr. CB was allegedly designed to do many years ago.
As goes the 11 Mtr. bands, so also will go the MURS frequencies.

1085. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 03:06:19 UTC
From: horseshoe7 <horseshoe7@yahoo.com>
Message-ID: <LcDH8.43727$db7.1547208@news2.west.cox.net>
Source record: 6160
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

> Maybe you are not familiar with the mentality of these idiots.
> Regarding amps, the most important thing is "swang", referring to
> needle movement. They start by modifying their radios. The modulation
> limiter is disabled so they can sound "louder", irrespective of
> splatter and harmonics. Then they run the output to a Class C driver
> with the intention of re-modulating the carrier just to get the peak
> power higher. Then it gets sent to the final amp, which is usually
> just a box filled with push-pull power transistors and wired in
> parallel. These amps are not designed for linearity, but for raw
> power. They are not intended for communication, but for "stepping
> power". Have you ever attended a "keydown"? It is a contest to see
> which amp is louder, and intelligibility of the audio is almost
> irrelevant: Two mobiles are set up on a line, they rev the motors and
> key away at the same time. The winner is the one that is heard above
> the other. Forget ERP or linearity, it's nothing more than an RF drag
> race.
>
> Now we all know that ground-wave propogation on 11m sucks almost as
> bad as VHF and skip is very inconsistent, which is probably why the
> hams abandoned it years ago. Just like VHF, 11m has a limit as to how
> much power is practical, yet amps in excess or 1000 watts are commonly
> used by IOs.
>
> Not only that, but there is a lot of money to be made by making and
> selling illegal radio equipment. They already know that some people
> will be violating the laws on the band, so all they need to do is
> convince them that what they need is a bigger amp. That's not hard to
> do, even if a bigger amp provides no practial benefit whatsoever,
> because they will tap the competitive nature of people: "My amp is
> bigger than YOUR amp!" It works. Just look at how many illegal amps
> are for sale on the net.
>
> The point is that they don't care about any sort of practical
> communication, they are only interested in doing whatever gets their
> rocks off, to the detriment of anyone else using the band, and they
> will do so while laughing in the face of the US Government. Unless the
> FCC decides to police the bands, the same thing will happen on MURS
> and FRS, because that's the way people are.

I agree with a lot of what you are saying. I just don't think the amplifier issue can be extended to MURS/FRS/GMRS - the fact is, we just aren't seeing it happening.

If I see this kind of nonsense on MURS, I'll DF the fool, and turn 'em in.

Now, I'll have to admit, I live in San Diego, and what I have seen are some Mexicans running over-amplified setups on 154.600, but I'm not going to go down to Mexico with DF-equipment - the TJ cops would just end up busting me down there.

Stewart - N0MHS

1086. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 03:06:28 UTC
From: Phil Kane <Phil.Kane@na.shmavz.ka.pop>
Message-ID: <cuvyxnansvbet.gwn3fru.pminews@netnews.attbi.com>
Source record: 6161
Cross-posted to: alt.radio.family,rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.cb

On 24 May 2002 15:21:27 -0700, stewart wrote:

>And even 2m has gone dormant in recent years. Other than a few
>high-level repeaters, the band is virtually unused.

Not here - 2m is highly used both for voice and for data (packet)
and 440 MHz is not far behind.

The metro area is not one of the country's mega-centers but we do
have lots of active hams.

---
73 de K2ASP - Phil Kane

From a Clearing in the Silicon Forest
Beaverton (Washington County) Oregon

1087. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 03:06:28 UTC
From: Phil Kane <Phil.Kane@na.shmavz.ka.pop>
Message-ID: <cuvyxnansvbet.gwn3mcv.pminews@netnews.attbi.com>
Source record: 6162
Cross-posted to: alt.radio.family,rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.cb

On 24 May 2002 16:11:11 -0700, stewart wrote:

>I'm been pushing the idea of a crossband VHF/UHF
>repeater capability, so Joe Average homeowner can set up a repeater
>site inexpensively.

"Ham Radio for the Non-qualified". <retch>

---
73 de K2ASP - Phil Kane

From a Clearing in the Silicon Forest
Beaverton (Washington County) Oregon

1088. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 03:16:54 UTC
From: Jar Jar Binks <Anon@anon.com>
Message-ID: <acmvli$jc3$0@pita.alt.net>
Source record: 6163
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"K&#65533;HB" <KAYZEROHANDSOMEBOY@ELECTRICSMOKE.NET> wrote in message
news:yUuH8.883$3L6.518@newsread2.prod.itd.earthlink.net...
>
> "stewart" <horseshoe7@yahoo.com> wrote
>
> >
> > The fact stands - MURS ..... now offers capabilities and privileges
> > on the order of those of the Amateur Technician Class license.
> >
>
> Not even close to being comparable.
>
> MURS -- 5 specific frequencies, less than 100 Kilohertz of total
bandwidth.
> Tech -- Millions of frequencies 23,962,000 Kilohertz of total bandwidth.
> Advantage Tech 239,620-to-1
>
> MURS -- One band
> Tech -- Seventeen bands
> Advantage Tech 17-to-1
>
> MURS -- 2W output
> Tech -- 1500W output
> Advantage Tech 750-to-1
>
> MURS -- Antenna height 20'
> Tech -- No antenna height restriction.
> Advantage -- Tech
>
> MURS -- FCC certificated radios only. Modifications illegal.
> Tech -- Free to use any purchased, homebrewed, or modified radio without
FCC
> certification.
> Advantage -- Tech
>
> MURS -- Operation restricted by US borders.
> Tech -- Reciprocal operating agreements with nations all around the globe.
> Advantage -- Tech
>
> I could go on and on, but I'm sure you're getting the picture!
>
> Comparing MURS to even the lowest privileged Amateur Radio license is like

> comparing a tricycle to a Lamborghini, and the comparison suffers even
worse
> when you compare MURS to a General or Extra class Amateur Radio license.
>
> 73, de Hans, K0HB
> ��� SOC # 291 http://www.qsl.net/soc/
>

Well done! Kudos to you!

1089. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 03:21:39 UTC
From: Richard McCollum <rmccollOMA@worldnet.att.net>
Message-ID: <7rDH8.3642$LC3.221047@bgtnsc04-news.ops.worldnet.att.net>
Source record: 6164
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

Anyone doubting the veracity of Frank's comments is invited to gaze in
wonderment at
http://mywebpages.comcast.net/naughtydog/ndamps.html

"Sparky" <sparky@cet.com> wrote in message
news:3ceef1e6.5191950@news.cet.com...
>
> Maybe you are not familiar with the mentality of these idiots.
> Regarding amps, the most important thing is "swang", referring to
> needle movement. They start by modifying their radios. The modulation
> limiter is disabled so they can sound "louder", irrespective of
> splatter and harmonics. Then they run the output to a Class C driver
> with the intention of re-modulating the carrier just to get the peak
> power higher. Then it gets sent to the final amp, which is usually
> just a box filled with push-pull power transistors and wired in
> parallel. These amps are not designed for linearity, but for raw
> power. They are not intended for communication, but for "stepping
> power". Have you ever attended a "keydown"? It is a contest to see
> which amp is louder, and intelligibility of the audio is almost
> irrelevant: Two mobiles are set up on a line, they rev the motors and
> key away at the same time. The winner is the one that is heard above
> the other. Forget ERP or linearity, it's nothing more than an RF drag
> race.
>
> Now we all know that ground-wave propogation on 11m sucks almost as
> bad as VHF and skip is very inconsistent, which is probably why the
> hams abandoned it years ago. Just like VHF, 11m has a limit as to how
> much power is practical, yet amps in excess or 1000 watts are commonly
> used by IOs.
>
> Not only that, but there is a lot of money to be made by making and
> selling illegal radio equipment. They already know that some people
> will be violating the laws on the band, so all they need to do is
> convince them that what they need is a bigger amp. That's not hard to
> do, even if a bigger amp provides no practial benefit whatsoever,
> because they will tap the competitive nature of people: "My amp is
> bigger than YOUR amp!" It works. Just look at how many illegal amps
> are for sale on the net.
>
> The point is that they don't care about any sort of practical
> communication, they are only interested in doing whatever gets their
> rocks off, to the detriment of anyone else using the band, and they
> will do so while laughing in the face of the US Government. Unless the

> FCC decides to police the bands, the same thing will happen on MURS
> and FRS, because that's the way people are.
>

1090. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 03:22:14 UTC
From: Randy <rchapman8@houston.rr.com>
Message-ID: <GrDH8.40919$9z5.2632569@typhoon.austin.rr.com>
Source record: 6165
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"Sparky" <sparky@cet.com> wrote in message
news:3ceee73b.2461793@news.cet.com...
> In <26zH8.130793$Q42.6570780@typhoon.austin.rr.com>, "Randy"
> <rchapman8@houston.rr.com> wrote:
>
> <snip>
> >So Sparky, got any suggestions on building a dual band amp for FRS and
MURS?
> >Oh wait, nevermind, Mirage already makes those. TeeHee!
>
> What do you call that -- flaming spam?
>
> BTW Randy, it's been so long since you ducked the issue, I can't
> remember if you said one-way skip causes -more- or -less- interference
> than two-way skip. So which is it?
>

You said that, I did not.

1091. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 03:26:11 UTC
From: Jar Jar Binks <Anon@anon.com>
Message-ID: <acn071$kc3$0@pita.alt.net>
Source record: 6166
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"Dan/W4NTI" <w4nti@mindspringnospam.com> wrote in message
news:acm8os$73o$1@slb3.atl.mindspring.net...
> Not really...it means we can get rid of those that want to order a pizza
via
> the autopatch, those that have no idea at all what ham radio is supposed
to
> be, and maybe we could use some thinning out and getting back
> to basic. Then maybe the un-informed crabbing about what the 'service' is
> all about will stop because those that are left will actually have read
part
> 97.
>
> Dan/W4NTI

Then all that will be left will be the sour-puss old farts who argue, piss,
moan, threaten, call names, live in the past, etc. You know...like the types
that got booted off 14.313? For "crabbing"?

1092. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 03:36:13 UTC
From: Rood <FRS@myrigs.com>
Message-ID: <acn0prljq0@pita.alt.net>
Source record: 6167
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"Joe Bramblett, KD5NRH" <kd5nrh-r.r.a.p@kd5nrh.net> wrote in message
news:8D9B12C89638CC30.69FBAE998BAAE243.A6D6DF330576D1BC@lp.airnews.net...
> On 24 May 2002 10:58:34 -0700, horseshoe7@yahoo.com (stewart) wrote:
>
> >This is the same old argument that we've been hearing for years... FRS
> >will become just like 11m(with illegal amplifiers), or MURS will
> >become just like 11m... of course it has been proved completely
> >wrong.
>
> Nope, it just hasn't had time yet. There are still way too many
> people out there that aren't familiar with FRS. Once they start
> fiddling with it, some of them will start ruining it, and it will be
> all downhill from there.
>
>
> Joe Bramblett, KD5NRH
> kd5nrh@kd5nrh.net
> http://www.kd5nrh.net

The FRS freqs in our area are not overly busy, but what is heard on them is
a precursor of what is to come. Cussing, arguing, name-calling, et al are
already happening. It will only grow worse and MURS will soon follow suit.
To believe otherwise is foolish and myopic.

1093. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 03:43:46 UTC
From: Rood <FRS@myrigs.com>
Message-ID: <acn182meh0@pita.alt.net>
Source record: 6168
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"BobC" <123@hotmail.com> wrote in message
news:uettke31foteec@corp.supernews.com...
>
> "horseshoe7" <horseshoe7@yahoo.com> wrote in message
> news:H7CH8.43701$db7.1534480@news2.west.cox.net...
> >
> > "Randy A. Hefner" <randy_NO_SPAM_PLEASE_@frs-usa.com> wrote in message
> >
> > > You're right on the money! I said this long ago. The MURS will be
> > > adopted by the truckers and you can bet your bottom dollar that all 5
> > > MURS frequencies will sound like CB Ch. 19.
> >
> > Yes, Randy, you keep saying it but it has NEVER HAPPENED.
> >
> > > Randy
>
> Does anybody know first hand if truckers are presently or going to use
MURS
> or FRS?
>
> Are you CB/Hamster dealers persuing this avenue and presenting it to
> truckers?
>
> If there's more than just a handfull of same company truckers using it, I
> would also use it.
>
> Personally, I've always liked the idea of a few fm channels in the VHF/UHF
> regions just for truckers.
>
> If there's a migration to MURS by truckers in general, it will be to
escape
> the present CH19 blatherings of hi power idiots and base stations whose
sole
> function in life is to cause interference just for the sake of it. I agree
> that if it becomes more than a fad, the MURS ch.'s will most likely end up
> sounding like the present CB 19 but it should be a long while before that
> happens.

I wonder how long it will be before we hear "Roger Beeps" and echo boxes on
MURS?

1094. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 03:43:47 UTC
From: horseshoe7 <horseshoe7@yahoo.com>
Message-ID: <TLDH8.43741$db7.1552996@news2.west.cox.net>
Source record: 6169
Cross-posted to: alt.radio.family,rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.cb

```
> >I'm been pushing the idea of a crossband VHF/UHF
> >repeater capability, so Joe Average homeowner can set up a repeater
> >site inexpensively.
>
> "Ham Radio for the Non-qualified". <retch>

Oh come off it - GMRS is working out just fine.

> ---
> 73 de K2ASP - Phil Kane
>
> From a Clearing in the Silicon Forest
> Beaverton (Washington County) Oregon
```

1095. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 03:50:41 UTC
From: horseshoe7 <horseshoe7@yahoo.com>
Message-ID: <lSDH8.43744$db7.1553896@news2.west.cox.net>
Source record: 6170
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"Joe Bramblett, KD5NRH" <kd5nrh-r.r.a.p@kd5nrh.net> wrote in message
news:8D9B12C89638CC30.69FBAE998BAAE243.A6D6DF330576D1BC@lp.airnews.net...
> On 24 May 2002 10:58:34 -0700, horseshoe7@yahoo.com (stewart) wrote:
>
> >This is the same old argument that we've been hearing for years... FRS
> >will become just like 11m(with illegal amplifiers), or MURS will
> >become just like 11m... of course it has been proved completely
> >wrong.
>
> Nope, it just hasn't had time yet. There are still way too many
> people out there that aren't familiar with FRS. Once they start
> fiddling with it, some of them will start ruining it, and it will be
> all downhill from there.

It's been around for quite a long time(1996?) - pretty much EVERYONE has one
of these little radios now - there aren't folks with amplifiers abusing
these frequencies. If it hasn't happened by now - it NEVER is gonna happen.

1096. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 03:53:27 UTC
From: horseshoe7 <horseshoe7@yahoo.com>
Message-ID: <XUDH8.43746$db7.1554321@news2.west.cox.net>
Source record: 6171
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"Rood" <FRS@myrigs.com> wrote in message news:acn0prljq0@pita.alt.net...
>
> "Joe Bramblett, KD5NRH" <kd5nrh-r.r.a.p@kd5nrh.net> wrote in message
> news:8D9B12C89638CC30.69FBAE998BAAE243.A6D6DF330576D1BC@lp.airnews.net...
> > On 24 May 2002 10:58:34 -0700, horseshoe7@yahoo.com (stewart) wrote:
> > >
> > > >This is the same old argument that we've been hearing for years... FRS
> > > >will become just like 11m(with illegal amplifiers), or MURS will
> > > >become just like 11m... of course it has been proved completely
> > > >wrong.
> > >
> > > Nope, it just hasn't had time yet. There are still way too many
> > > people out there that aren't familiar with FRS. Once they start
> > > fiddling with it, some of them will start ruining it, and it will be
> > > all downhill from there.
> > >
> > >
> > > Joe Bramblett, KD5NRH
> > > kd5nrh@kd5nrh.net
> > > http://www.kd5nrh.net
>
> The FRS freqs in our area are not overly busy, but what is heard on them
is
> a precursor of what is to come. Cussing, arguing, name-calling, et al are
> already happening. It will only grow worse and MURS will soon follow suit.
> To believe otherwise is foolish and myopic.

The argument was that people would use AMPLIFIERS on FRS and MURS - this is
absolutely wrong... you KNOW IT, and are trying to CHANGE THE SUBJECT.

Amplifiers are not being used on FRS, GMRS or MURS.

Stewart - N0MHS

1097. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 03:53:48 UTC
From: 'Doc <w5lz@icok.net>
Message-ID: <3CEF0ABA.48795E59@icok.net>
Source record: 6172
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

> P.S. You can already do repeaters on GMRS, and I suspect that MURS
> will eventually be expanded to allow low-level repeaters on certain
> new frequencies... I'm been pushing the idea of a crossband VHF/UHF
> repeater capability, so Joe Average homeowner can set up a repeater
> site inexpensively.

Tell me why 'Joe Average' would even think about setting up
a repeater, or cross banding VHF/UHF. Seems like a very silly
idea to me. Would that repeater system be private, or public
for a fee perhaps?
MURS could fill a need, but please don't tout it as a viable
replacement for amateur radio, it isn't and will never be such.
'Doc

PS - Posting to multiple groups is as moronic as the other idea.

1098. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 03:58:26 UTC
From: 'Doc <w5lz@icok.net>
Message-ID: <3CEF0BD0.189FA4D5@icok.net>
Source record: 6173
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

stewart,
2 meters is dormant, unused? What part of the
country do you live in? 'Dormant' and 'unused' are
not exactly how I would describe 2 meters in this
area. Stew, ol'buddy, I think you'd better have your
receiver checked...
'Doc

1099. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 04:31:31 UTC
From: BobC <123@hotmail.com>
Message-ID: <uettke31foteec@corp.supernews.com>
Source record: 6155
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"horseshoe7" <horseshoe7@yahoo.com> wrote in message
news:H7CH8.43701$db7.1534480@news2.west.cox.net...
>
> "Randy A. Hefner" <randy_NO_SPAM_PLEASE_@frs-usa.com> wrote in message
>
> > You're right on the money! I said this long ago. The MURS will be
> > adopted by the truckers and you can bet your bottom dollar that all 5
> > MURS frequencies will sound like CB Ch. 19.
>
> Yes, Randy, you keep saying it but it has NEVER HAPPENED.
>
> > Randy

Does anybody know first hand if truckers are presently or going to use MURS
or FRS?

Are you CB/Hamster dealers persuing this avenue and presenting it to
truckers?

If there's more than just a handfull of same company truckers using it, I
would also use it.

Personally, I've always liked the idea of a few fm channels in the VHF/UHF
regions just for truckers.

If there's a migration to MURS by truckers in general, it will be to escape
the present CH19 blatherings of hi power idiots and base stations whose sole
function in life is to cause interference just for the sake of it. I agree
that if it becomes more than a fad, the MURS ch.'s will most likely end up
sounding like the present CB 19 but it should be a long while before that
happens.

1100. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 05:38:29 UTC
From: Phil Kane <Phil.Kane@na.shmavz.ka.pop>
Message-ID: <cuvyxnansvbet.gwnaqlw.pminews@netnews.attbi.com>
Source record: 6174
Cross-posted to: alt.radio.family,rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.cb

On Sat, 25 May 2002 02:05:26 GMT, Sparky wrote:

>> Two methods of Rules changes - go through the procedures starting
>> with a Petition for Rulemaking, or just go ahead and do what the law
>> does not allow you to do and if enough people do it the gov'mint will
>> turn chicken and leave you alone.
>
>I think it depends on which lobbyist carries the most cash. A harsh
>accusation to be sure, but many of the Commission's decisions in the
>past few years are inconsistent with any other method of management.

A clear result of not having anyone high enough in management with
enough brass to bang on the table to tell The Congress what we ...
err, they... needed and what would happen if it didn;t come
through, rather than to say, a la Oliver Twist, "yes, sir, thank
you, sir...."

---
73 de K2ASP - Phil Kane

1101. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 06:49:17 UTC
From: lucifer@eternal-flames.gov
Message-ID: <3cef2689.2385911@news.btinternet.com>
Source record: 6175
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

On Fri, 24 May 2002 18:23:06 -0500, "Joe Bramblett, KD5NRH"
<kd5nrh-r.r.a.p@kd5nrh.net> wrote:

>Aren't you forgetting the "All above 300GHz," which technically means
>that Techs have an infinite amount of bandwidth? (Though building
>those 300nm yagis can be a pain in the ass)

Only given to us because nobody else wants it - at the moment.

As soon as somebody comes up with a way to make money out of some or
all of those frequencies, we'll lose them.

Profit first and above all else. Guys..... Remember?

Nick.

1102. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 08:23:20 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0205250821010.13401-100000@exp.bde-arc.ampr.org>
Source record: 6176
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

On 24 May 2002, stewart wrote:
>JJ <radiobuff0@mailcity.net> wrote in message news:<3CEE61F5.B65AA908@mailcity.net>...
>> stewart wrote:
>> >
>> > The capabilities of a well built MURS station can now compete with
>> > those of a Technician Class station.
>>
>> That is an over statement if I ever saw one. MURS can no way
>> compete with any part of ham radio, even Tech class stations.
>
>I disagree, for the average Tech with a 2m handheld, a 2.1m hanheld
>will compete quite nicely.

I believe that the U.S. Military, the user of the 142MHz slice (2.1 meters),
would disagree with you.

>> > Furthermore, MURS ...

[Doesn't deserve quoting!]

1103. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 08:36:17 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0205250834060.13401-100000@exp.bde-arc.ampr.org>
Source record: 6177
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

```
On Sat, 25 May 2002, 'Doc wrote:
>stewart,
> 2 meters is dormant, unused? What part of the
>country do you live in? 'Dormant' and 'unused' are
>not exactly how I would describe 2 meters in this
>area. Stew, ol'buddy, I think you'd better have your
>receiver checked...

All his 2m receivers tuned to amateur frequencies are fully desensed from all
his MURS activity.....
```

1104. Skysweeper & HFDL

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 09:03:21 UTC
From: Tapio Salonen <tapio@estla.pp.fi>
Message-ID: <trIH8.946$EL6.14970@news.kpnqwest.fi>
Source record: 6178
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.shortwave

It seems, that Skysweeper 2.8 (www.skysweep.com) is the only software in the market supporting both ACARS and HFDL modes.
Before buying it, I would like to test also other softwares supporting both those modes. Any suggestions?

-Tapio

1105. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 10:59:13 UTC
From: Rood <FRS@myrigs.com>
Message-ID: <acnqquhns0@pita.alt.net>
Source record: 6179
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

No matter what you post, no matter your arguments, the simple unalterable fact remains that the low life
CBers will soon ruin the MURS frequencies. Common sense and reality will , despite the claims of the self-professed intelligentia, eventually rule.
I tend to scoff at those who claim to hold themselves aloof from us commoners. These self-proclaimed phonies most usually live in a fantasy world bordered by fantasy and Harry Potter books.
You Muggles are all the same.

1106. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 12:03:24 UTC
From: Real Man <realman@dontknow.jack>
Message-ID: <3CEF7D8C.4779EB9@dontknow.jack>
Source record: 6180
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

horseshoe7 wrote:
> The point is - Amps are more useful on HF because of beyond LOS
> propagation - therefore they exist... it really does no good to use amps on
> VHF - their are of course a number of ways to increase LOS comm range,
> increasing Tx power is one of the least efficient(and ineffective after a
> certain point). I've written a web page about the whole deal:
>
> http://www.geocities.com/horseshoe7/repeat.html

You got your headline and your body text sizes bassackwards.

1107. Re: Skysweeper & HFDL

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 12:47:35 UTC
From: "J. Duffy Beischel" <jduffy@zoomtown.com>
Message-ID: <uev1v8rbtmtn9f@corp.supernews.com>
Source record: 6181
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.shortwave

Too bad it does not do HF Packet like MixW and MixW is a much easier package to use. Skysweeper is very difficult to use. Be careful what you get into. Is HFDL worth it?

"Tapio Salonen" <tapio@estla.pp.fi> wrote in message news:trIH8.946$EL6.14970@news.kpnqwest.fi...
>
> It seems, that Skysweeper 2.8 (www.skysweep.com) is the only software in the
> market supporting both ACARS and HFDL modes.
> Before buying it, I would like to test also other softwares supporting both
> those modes. Any suggestions?
>
> -Tapio
>
>
>

1108. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 13:19:28 UTC
From: wa8ulx@aol.com
Message-ID: <20020525091928.21031.00001049@mb-fo.aol.com>
Source record: 6182

>The argument was that people would use AMPLIFIERS on FRS and MURS - this is
>absolutely wrong... you KNOW IT,

I have For Sale 6 GE Delta S, 32 Channels, 110 Watts, FM, easily programend
for any Freq from 144 to 160 Mhz. There is no need for Amplifiers when the
Radio can already put out 110 Watts.
Now do you see how easy it can be to turn MURS into a High Power CB like 11
Meters?

1109. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 13:33:42 UTC
From: K&#65533;HB <KAYZEROHANDSOMEBOY@ELECTRICSMOKE.NET>
Message-ID: <WoMH8.450$J04.196@newsread2.prod.itd.earthlink.net>
Source record: 6183
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"stewart" <horseshoe7@yahoo.com> wrote

> But, in any event, I'm basically comparing MURS to Amateur Technician

Not even close to being comparable. Amateur Technician has incredible
advantages over MURS. (By the way, there is no Technician license limited
to just 2M, so don't try to drag out that red-herring.)

MURS -- 5 specific frequencies, less than 100 Kilohertz of total bandwidth.
Tech -- Millions of frequencies 23,962,000 Kilohertz of total bandwidth.
Advantage Tech 239,620-to-1

MURS -- One band
Tech -- Seventeen bands
Advantage Tech 17-to-1

MURS -- 2W output
Tech -- 1500W output
Advantage Tech 750-to-1

MURS -- Antenna height 20'
Tech -- No antenna height restriction.
Advantage -- Tech

MURS -- FCC certificated radios only. Modifications illegal.
Tech -- Free to use any purchased, homebrewed, or modified radio without FCC
certification.
Advantage -- Tech

MURS -- Operation restricted by US borders.
Tech -- Reciprocal operating agreements with nations all around the globe.
Advantage -- Tech

I could go on and on, but I'm sure you're getting the picture!

Comparing MURS to even the lowest privileged Amateur Radio license is like
comparing a tricycle to a Lamborghini, and the comparison suffers even worse
when you compare MURS to a General or Extra class Amateur Radio license.

73, de Hans, K0HB
&#65533;&#65533;&#65533; SOC # 291 http://www.qsl.net/soc/

1110. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 13:44:35 UTC
From: K&#65533;HB <KAYZEROHANDSOMEBOY@ELECTRICSMOKE.NET>
Message-ID: <7zMH8.461$J04.199@newsread2.prod.itd.earthlink.net>
Source record: 6184
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"horseshoe7" <horseshoe7@yahoo.com> wrote

> So please, do try to feed me a bunch of happy horsecrap about using amps
on
> VHF/UHF - it is VIRTUALLY USELESS.

I love it when you talk LOUD to try to overcome your lack of rational
persuasion.

Speaking of loud, in the case of MURS (with only 5 channels) the old notion
of 'capture effect' will ensure that I can get through all the other weak
signals on channel. 'Capture effect' is done with power.

Can you say "amplifier"?

I knew you could!

73, de Hans, K0HB
&#65533;&#65533;&#65533; SOC # 291 http://www.qsl.net/soc/

1111. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 13:50:24 UTC
From: K&#65533;HB <KAYZEROHANDSOMEBOY@ELECTRICSMOKE.NET>
Message-ID: <AEMH8.464$J04.13@newsread2.prod.itd.earthlink.net>
Source record: 6185
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"horseshoe7" <horseshoe7@yahoo.com> wrote

>
> The argument was that people would use AMPLIFIERS on FRS and MURS - this
is
> absolutely wrong... you KNOW IT, and are trying to CHANGE THE SUBJECT.
>
> Amplifiers are not being used on FRS, GMRS or MURS.
>

Wait until a couple of good ol' boys get frustrated with the congestion on
those measly 5 little channels, and discover the magic of 'capture effect'
on FM.

Can you say 'afterburner'?

I knew you could!

73, de Hans, K0HB
&#65533;&#65533;&#65533; SOC # 291 http://www.qsl.net/soc/

1112. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 14:22:01 UTC
From: Brian P Burke <bpburke@prodigy.net>
Message-ID: <d6NH8.2337$B63.122732675@newssvr16.news.prodigy.com>
Source record: 6186
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"JJ" <radiobuff0@mailcity.net> wrote in message
news:3CEED2C9.172E6346@mailcity.net...
>
>
> stewart wrote:
>
> >
> > For the most part, there is very little action on any VHF/UHF band
> > other than 2m.
>
> You really should get a vhf/uhf radio that actually receives and
> listen again.

I've got a whiz-bang dual bander in my car with enough memory slots to plug in -every- 2m frequency pair and simplex frequencies. And they are programmed in. Then I have a handheld scanner with the same frequencies programmed in. At home I have another scanner with the "popular" repeater and simplex frequencies programmed in.

With all that said, there is very little 2M FM activity in the central Ohio area. Compared to Omaha NE is the mid-late 80's, its dead.

1113. Re: Back up Power

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 14:47:11 UTC
From: Marc <marc_k@NoSpamreva.sixgirls.org>
Message-ID: <uev8vf1lrhtt37@corp.supernews.com>
Source record: 6187
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

In rec.radio.amateur.equipment laborkei <laborkeiNOSPAM@hotmail.com> wrote:
> If you didn't make Dayton..

> Mendelsons had 12V 17AH batteries for $10.00
> They have them on there website for $15.95.
> I had talked to them at Dayton and they said they had a lot of these
> batteries, and they are New.

Don't even bother!!
I WAS at Dayton, and those "new" batteries had not been charged for 4 YEARS(at least that was what I was told by a Mendelson employee).
So new, means NOS, but with SLA batteries, if you don't charge them once in a while, they lose much of their capacity.

> http://www.meci.com/

> Hamvention 2002 Pictures de WD5BJQ: http://www.qsl.net/wd5bjq/hamvent02.htm

> "Russell C. Nixon" <rcnixon@mindspring.com> wrote in message
> news:3cea451b.2496549@news.mindspring.com...
>> "Brian" <lea1bri@optusnet.com.au> wrote:
>>
>> >I don't know if anyone has seen the website I'm looking for (I hope they
>> >have), but I've lost the link so I cant give it to anyone either.
>> >Hoping someone can help me with the web address.
>> >
>> >The website is about a bloke in America (maybe Canada I can't remember).
> He
>> >is an amateur that lives in a zone where the power delivery isn't
> fantastic.
>> >To combat this he set up a car battery in a battery box with a volt meter
>> >and a cigarette lighter socket built in (as well as big posts for his
> radio
>> >equipment). Apparently this wasn't good enough so he linked up a solar
>> >system to it as well. There were a couple of other attachments also.
>> >
>> >Hoping someone can help me out with the address for it.
>> >
>> >Thanks in advance,
>> >
>> >Brian.
>> >Sydney Australia.
>>
>> Brian, you would be better off using a battery made for supplying a

>> relatively small amount of current for a longer time. A car battery
>> is optimized to supply a huge amount of current (100 to 200 amps) for
>> a short time in order to turn the starter motor. When the car is
>> running, its electrical needs are supplied by the alternator powered
>> by the engine. Gel cells are really what you want. They are sold for
>> computer room uninterruptable power supplies (UPS) and camper vehicle
>> use. Perhaps you can get them from a computer service company or just
>> buy a couple of new ones. The gel cell have a charging power
>> requirement similar to Nimh batteries and the charge control chips for
>> Nimhs work well for gel cells. Do a web search for "gel cells" and
>> you will get all you need! Also, do a web search for "Luke Enriquez".
>> He is an Australian ham and engineer who has a nice design for a gel
>> cell maintenance system.
>>
>> Russ
>> "Two-fifteen, no ambulance needed!"
>> Subtract all nines to reply

1114. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 15:06:10 UTC
From: "Joe Bramblett, KD5NRH" <kd5nrh-r.r.a.p@kd5nrh.net>
Message-ID: <2B054AFDBC80D522.972398C525B14EF0.02F0116AEA1912AB@lp.airnews.net>
Source record: 6188
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

On 24 May 2002 15:40:43 -0700, horseshoe7@yahoo.com (stewart) wrote:

>Anything over 5W is overkill for anything other than bizarre
>applications like EME... 2W is plenty with a couple of good antennas
>at each end of the link.

If both users don't mind wandering around with 11 element yagis
nailed to their hats, and *if* they don't mind having to keep them
continuously pointed at each other while moving, then they might be
able to match the performace of a good 2m mobile rig.

Some of us like to talk more than a few miles away.

Joe Bramblett, KD5NRH
kd5nrh@kd5nrh.net
http://www.kd5nrh.net

1115. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 15:30:43 UTC
From: LSB <l.s.booth@worldnet.att.net>
Message-ID: <D6OH8.3620$UT.274707@bgtnsc05-news.ops.worldnet.att.net>
Source record: 6189
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

Relevance???? I have a ham license, I am working on a 2.4ghz antenna, and a 160m antenna. I will look at and try if possible any new technology on one end and restore/use BA gear on the other. I love telecommunications. My ham ticket is relevant to me because I am an experimenter and an operator. I use 802.11b for home networking, just another technology. MURS is interesting. Do I see it as a threat to HR? No....Cynics who want to prophesize the demise of HR are the real threat. Do something, contribute to the science of radio, teach others.

If the AR service is irrelevant to you......quit.

stewart <horseshoe7@yahoo.com> wrote in message news:5f4fe4c2.0205231335.52663b3e@posting.google.com...
> The latest MURS rules changes now simply limit transmitter power
> output to 2W, and remove the old 2W ERP restriction:
>
> http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-02-139A1.doc
>
> This effectively raises the ERP limit to about 10W for omni base
> stations, and about 50W with a directional beam antenna.
>
> With licenseless services like MURS beginning to flourish, Amateur
> Radio just keeps getting less relevant.
>
>
> Horseshoe7, Stewart, N0MHS
> http://groups.yahoo.com/group/MURS-OPEN

1116. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 15:49:44 UTC
From: Brian P Burke <bpburke@prodigy.net>
Message-ID: <soOH8.2366$OA3.124459251@newssvr16.news.prodigy.com>
Source record: 6190
Cross-posted to: alt.radio.family,rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.cb

"Sparky" <sparky@cet.com> wrote in message
news:3ceef008.4714762@news.cet.com...
> In <cuvyxnansvbet.gwmxepp.pminews@netnews.attbi.com>, "Phil Kane"
> <Phil.Kane@na.shmavz.ka.pop> wrote:
>
> >On 24 May 2002 09:58:11 -0700, stewart wrote:
> >
> >>The fact stands - MURS has been made a more capable service, and now
> >>offers capabilities and privileges on the order of those of the
> >>Amateur Technician Class license.
> >
> > The fact stands - the only reason that there is a "MURS" is that
> > folks went to the nearest CostCo or BestBuy and bought the JobComm
> > or Color-Dot radios which were intended for small business use WITH
> > A LICENSE and then started using them without benefit of same. This
> > is criminal behavior no better than the ham-band "bootlegger" or the
> > broadcast "pirate".
> >
> > The Commish'- to my deep disgust - was more interested in getting
> > more economists and phone-company=merger specialists on board -
> > folks who had no concept of what radio regulation was all about or
> > should be - than in putting more law enforcement agents on the
> > streets to clean up the mess, and the rest is history.
>
> True story.
>
> > Two methods of Rules changes - go through the procedures starting
> > with a Petition for Rulemaking, or just go ahead and do what the law
> > does not allow you to do and if enough people do it the gov'mint will
> > turn chicken and leave you alone.
>
> I think it depends on which lobbyist carries the most cash. A harsh
> accusation to be sure, but many of the Commission's decisions in the
> past few years are inconsistent with any other method of management.

Like Bob Dole, as he exited public life, sponsored a bill allowing 100% of
the radio/tv media in any metropolitan area to be owned by one person.

Why would he do that?

1117. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 16:54:18 UTC
From: K&#65533;HB <KAYZEROHANDSOMEBOY@ELECTRICSMOKE.NET>
Message-ID: <_kPH8.693$J04.253@newsread2.prod.itd.earthlink.net>
Source record: 6191
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

Horseshoe, you're going to have to help us here.

We need you to explain the difference between useful ERP and "virtually useless' ERP.

On one hand you say higher ERP is VIRTUALLY USELESS ---

> So please, do try to feed me a bunch of happy horsecrap about using amps on
> VHF/UHF - it is VIRTUALLY USELESS.

But on another hand you applaud the lifting of ERP limits ---

> This effectively raises the ERP limit to about 10W for omni base
> stations, and about 50W with a directional beam antenna.

Which kind of ERP is useful?

I can imagine ol' Billy Bob buying hisself a 14dB gain antenna, string some lowloss coax, and exclaiming "Sheeeett, ah'm putting me an ERP of 50W over toward ol' Ellie Mae's house!."

Then I can imagine Ellie Mae hollerin' back "Yeah, but I called 1-800-HAM-AMPS and got me one of them thar Mirage B-320G bricks, and ah'm puttin' me an ERP of 200W in every durn direction! That be making me about 6dB louder'n ya'll in every direction!"

Well, ol' Billy Bob's mammy din't raise no idjits. He slaps hisself on the forehaid and esclaims "Ah'll jess get me one of them thar bricks too -- lessee, my antenna done gave me 14dB, and that thar brick of Ellie Mae's is givin' 20dB -- that be 'bout 34dB -- holy sheeeeeeeitt, my ERP done be 'bout 5,000W -- hell's bell's -- I ***OWN*** them thar MURS channels fer a hunnert miles around old Mount Baldy!"

73, de Hans, K0HB
&#65533;&#65533;&#65533; SOC # 291 http://www.qsl.net/soc/

1118. Re: AMPR addr bot dead?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 17:19:10 UTC
From: perry chamberlain <kato@qnet.com>
Message-ID: <3CEFC78E.2CD09CD3@qnet.com>
Source record: 6192

hey pweety, is it the bot thats numb, or is it you, heh
heh heh heh
how did the battlebots show go eh have fun.

"Dana H. Myers" wrote:

> I must not be keeping up too well, since a recent
> attempt to update the AMPR.ORG DNS records with the
> UCSD bot is apparently failing - I've been told that
> the email message is not deliverable.
>
> Has the bot been updated/replaced? Is it numb at
> the moment?
>
> Dana K6JQ
> k6jq@arrl.net

--
Perry Chamberlain
Kato@qnet.com
Liv'n on de Edge n de Desert
Everyone has someone in their family who is crazy,
if you don't know who it is, its you!

1119. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 19:11:29 UTC
From: Jim Hampton <aa2qa@frontiernet.net>
Message-ID: <a91e8a9784c35af8e5606c9d18c6c65d.80792@mygate.mailgate.org>
Source record: 6193
Cross-posted to: rec.radio.amateur.policy,rec.radio.cb,rec.radio.amateur.digital.misc,rec.radio.amateur.misc

Stewart, you seem to think there isn't a point. The point is about learning. This served the United States very well back in 1968 (I believe it was 1968 - within a year). The Coast Guard lost a big tower on Saipan (did I get this right this time, Hans?). The Navy was having a big problem copying the hams they sent over to get communications back up (the disaster was caused by a typhoon). I was in the shack at KG6AAY on NavCommSta Guam and heard the goings on. I called the signs 'sparkplug, sparkplug1, this is KG6AAY standing by'. The net result was that the AMATEUR RADIO OPERATORS restored communications. For a number of days, we were the ONLY communications to that island. Hans was one of the guys that went over to Saipan. This has happened countless times, you simply may not have heard about it. One does not learn simply by talking on the radio. The hobby is much richer than you can ever imagine (and far bigger than I know about as well). It is a valuable resource to this country whether you or I believe it or not.

73 from Rochester, NY
Jim AA2QA

"stewart" <horseshoe7@yahoo.com> wrote in message
news:5f4fe4c2.0205241456.69dce605@posting.google.com

> Absolutely. What is wrong with that? Again, do you have some kind of
> point? I suppose not... and it seems that is the underlying problem
> these days with Amateur Radio - it is basically pointless.
>
> Stewart - N0MHS

--
Posted via Mailgate.ORG Server - http://www.Mailgate.ORG

1120. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 19:24:12 UTC
From: vhfradiobuff@aol.com
Message-ID: <5e5fccab.0205251124.159d9aa1@posting.google.com>
Source record: 6194
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

horseshoe7@yahoo.com (stewart) wrote in message
news:<5f4fe4c2.0205231335.52663b3e@posting.google.com>...
> With licenseless services like MURS beginning to flourish, Amateur
> Radio just keeps getting less relevant.

In that case, please email me and I will provide the shipping address
where you can send all of your ham equipment. Thank you!

1121. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 19:47:07 UTC
From: sparky@cet.com
Message-ID: <3cefe8f0.2837590@news.cet.com>
Source record: 6195
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

In <GrDH8.40919$9z5.2632569@typhoon.austin.rr.com>, "Randy"
<rchapman8@houston.rr.com> wrote:

>
>"Sparky" <sparky@cet.com> wrote in message
>news:3ceee73b.2461793@news.cet.com...
>> In <26zH8.130793$Q42.6570780@typhoon.austin.rr.com>, "Randy"
>> <rchapman8@houston.rr.com> wrote:
>>
>> <snip>
>> >So Sparky, got any suggestions on building a dual band amp for FRS and
>MURS?
>> >Oh wait, nevermind, Mirage already makes those. TeeHee!
>>
>> What do you call that -- flaming spam?
>>
>> BTW Randy, it's been so long since you ducked the issue, I can't
>> remember if you said one-way skip causes -more- or -less- interference
>> than two-way skip. So which is it?
>>
>
>You said that, I did not.

Let me refresh your memory. The discussion was about noise caused from
skip, to which you responded:

"...not all DX is reciprocal inkind or magnitude."

Now what does that mean if not saying that the -reciprocity- of skip
is a factor in band noise? I'm sure most will agree that skip causes
noise, but how does one-way skip affect the noise level differently
than two-way skip? That's what you said, Randy, like it or not. Now
quit avoiding the question and answer it.

1122. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 20:10:41 UTC
From: Arf! Arf! <DoggieDaze@Liberalz.com>
Message-ID: <acor2b$6lj$0@pita.alt.net>
Source record: 6196
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"K�HB" <KAYZEROHANDSOMEBOY@ELECTRICSMOKE.NET> wrote in message
news:7zMH8.461$J04.199@newsread2.prod.itd.earthlink.net...
>
> "horseshoe7" <horseshoe7@yahoo.com> wrote
>
> > So please, do try to feed me a bunch of happy horsecrap about using amps
> on
> > VHF/UHF - it is VIRTUALLY USELESS.
>
> I love it when you talk LOUD to try to overcome your lack of rational
> persuasion.
>
> Speaking of loud, in the case of MURS (with only 5 channels) the old
notion
> of 'capture effect' will ensure that I can get through all the other weak
> signals on channel. 'Capture effect' is done with power.
>
> Can you say "amplifier"?
>
> I knew you could!
>
> 73, de Hans, K0HB
> ��� SOC # 291 http://www.qsl.net/soc/
>

Well done! Kudos!!!
Now, is anybody listening?

1123. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 20:24:14 UTC
From: Arf! Arf! <DoggieDaze@Liberalz.com>
Message-ID: <acorro$8ir$0@pita.alt.net>
Source record: 6197
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"K&#65533;HB" <KAYZEROHANDSOMEBOY@ELECTRICSMOKE.NET> wrote in message
news:_kPH8.693$J04.253@newsread2.prod.itd.earthlink.net...
> Horseshoe, you're going to have to help us here.
>
> We need you to explain the difference between useful ERP and "virtually
> useless' ERP.
>
> On one hand you say higher ERP is VIRTUALLY USELESS ---
>
> > So please, do try to feed me a bunch of happy horsecrap about using amps
> on
> > VHF/UHF - it is VIRTUALLY USELESS.
>
> But on another hand you applaud the lifting of ERP limits ---
>
> > This effectively raises the ERP limit to about 10W for omni base
> > stations, and about 50W with a directional beam antenna.
>
> Which kind of ERP is useful?
>
> I can imagine ol' Billy Bob buying hisself a 14dB gain antenna, string
some
> lowloss coax, and exclaiming "Sheeeett, ah'm putting me an ERP of 50W over
> toward ol' Ellie Mae's house!."
>
> Then I can imagine Ellie Mae hollerin' back "Yeah, but I called
> 1-800-HAM-AMPS and got me one of them thar Mirage B-320G bricks, and ah'm
> puttin' me an ERP of 200W in every durn direction! That be making me
about
> 6dB louder'n ya'll in every
> direction!"
>
> Well, ol' Billy Bob's mammy din't raise no idjits. He slaps hisself on
the
> forehaid and esclaims "Ah'll jess get me one of them thar bricks too --
> lessee, my antenna done gave me 14dB, and that thar brick of Ellie Mae's
is
> givin' 20dB -- that be 'bout 34dB -- holy sheeeeeeeitt, my ERP done be
'bout
> 5,000W -- hell's bell's -- I ***OWN*** them thar MURS channels fer a
hunnert
> miles around old Mount Baldy!"

>
> 73, de Hans, K0HB
> ��� SOC # 291 http://www.qsl.net/soc/

Well done again! I gots ter git me wunna dem dere radidios so's I kin git
out, too.
How much duz wunna them there kickers cost? I heard dat I did. Ten four?

1124. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 20:42:24 UTC
From: JJ <radiobuff0@mailcity.net>
Message-ID: <3CEFDA92.1065C80E@mailcity.net>
Source record: 6198
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

Sparky wrote:

>
> Now what does that mean if not saying that the -reciprocity- of skip
> is a factor in band noise? I'm sure most will agree that skip causes
> noise, but how does one-way skip affect the noise level differently
> than two-way skip? That's what you said, Randy, like it or not. Now
> quit avoiding the question and answer it.

I guess he thinks one-way skip creates only half as much noise as
two-way skip.

1125. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 22:02:24 UTC
From: Randy <rchapman8@houston.rr.com>
Message-ID: <QRTH8.136721$Q42.6725934@typhoon.austin.rr.com>
Source record: 6199
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"Sparky" <sparky@cet.com> wrote in message
news:3cefe8f0.2837590@news.cet.com...
> In <GrDH8.40919$9z5.2632569@typhoon.austin.rr.com>, "Randy"
> <rchapman8@houston.rr.com> wrote:
>
> >
> >"Sparky" <sparky@cet.com> wrote in message
> >news:3ceee73b.2461793@news.cet.com...
> >> In <26zH8.130793$Q42.6570780@typhoon.austin.rr.com>, "Randy"
> >> <rchapman8@houston.rr.com> wrote:
> >>
> >> <snip>
> >> >So Sparky, got any suggestions on building a dual band amp for FRS and
> >MURS?
> >> >Oh wait, nevermind, Mirage already makes those. TeeHee!
> >>
> >> What do you call that -- flaming spam?
> >>
> >> BTW Randy, it's been so long since you ducked the issue, I can't
> >> remember if you said one-way skip causes -more- or -less- interference
> >> than two-way skip. So which is it?
> >>
> >
> >You said that, I did not.
>
> Let me refresh your memory. The discussion was about noise caused from
> skip, to which you responded:
>
> "...not all DX is reciprocal inkind or magnitude."
>
> Now what does that mean if not saying that the -reciprocity- of skip
> is a factor in band noise? I'm sure most will agree that skip causes
> noise, but how does one-way skip affect the noise level differently
> than two-way skip? That's what you said, Randy, like it or not. Now
> quit avoiding the question and answer it.
>

It means what it says Aaron/Sparky. How fucking dense are you? It has
nothing to do with causing more or less interference with regard to
reciprocity.

1126. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-25 23:43:44 UTC
From: 'Doc <w5lz@icok.net>
Message-ID: <3CF02198.3E39C44B@icok.net>
Source record: 6200
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

Rood,
What's a 'muggles'?
'Doc

1127. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 00:28:19 UTC
From: "Leland C. Scott" <no-spam@junk-mail.net>
Message-ID: <D_VH8.21347$%y.2033048@bin4.nnrp.aus1.giganews.com>
Source record: 6201
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"Arf! Arf!" <DoggieDaze@Liberalz.com> wrote in message news:ackekk$dq5$0@pita.alt.net...
> Not so! The Ham freqs. WILL continue to be relevant. Look for the CB'ers to
> get into these five freqs and ruin them. Two watts? Bah! Since when has a
> CB'er ever played by the rules?

Good point, there are enough examples of that right here on this news group.

> Look for them to buy Ham two meter rigs,
> modify the TX, buy an amplifier with five watts in, 100 out and modify it,
> too. They will ruin the MURS frequencies within five years. Mark my words.
> Remember when CB was licensed and limited to 4 watts? Good concept, but it
> was doomed for failure from the outset. The MURS frequencies will meet the
> same fate.

Maybe or maybe not. The Ham Fox hunters will have a field day tracking down the bozos, on VHF it is much harder to hide one's activities and location. The real concern is not the running of power, but the fact that the idiots who do the above will find it almost irresistible to dial their modified 2m rigs down to the Ham 2m band to take advantage of the nation wide system of repeaters, some linked in to multistate coverage systems, for a quick QSO with other like minded pirate operators. The reason they would even consider dropping down to the 2m Ham band is due to the fact that many businesses still use the now unlicensed MURS frequencies, and likely will continue to do so. This could make the current problem with intruders on 10m and 12m look small.

--
Leland C. Scott
KC8LDO

Saw this on a Tee-shirt:

"I am a
bomb
technician
if you see me
running
try to keep up "

1128. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 00:29:55 UTC
From: AB8MQ <kc8jbo@alt.net>
Message-ID: <acpfg1dju0@pita.alt.net>
Source record: 6204
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"'Doc" <w5lz@icok.net> wrote in message news:3CF02198.3E39C44B@icok.net...
>
>
> Rood,
> What's a 'muggles'?
> 'Doc

It's what Rood calls those gerbils he inserts rectally.

1129. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 00:43:54 UTC
From: "Leland C. Scott" <no-spam@junk-mail.net>
Message-ID: <edWH8.19431$%o.2010648@bin3.nnrp.aus1.giganews.com>
Source record: 6202
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"stewart" <horseshoe7@yahoo.com> wrote in message
news:5f4fe4c2.0205240958.50295699@posting.google.com...
> With no skip, there is no incentive to go with
> exceedingly higher power in the first place, because it serves
> virtually no useful purpose on VHF/UHF.

Tell that to Mirage amps, RF Concepts, Beko Elektronik,etc. They do a tidy amount of business selling V/UHF amps, and they DO make a difference on those bands with or without skip conditions. You'll be hard pressed to find a serious V/UHF operator that does not own an amplifier. I own and use several myself.

http://www.mirageamp.com/mirageamp/index.php
http://www.alpha-amps.com/rfconcepts/index.html
http://www.beko.cc/amateurfunk_english.htm

--
Leland C. Scott
KC8LDO

Saw this on a Tee-shirt:

"I am a
bomb
technician
if you see me
running
try to keep up "

1130. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 00:52:41 UTC
From: "Leland C. Scott" <no-spam@junk-mail.net>
Message-ID: <tlWH8.18513$Kp.2073600@bin7.nnrp.aus1.giganews.com>
Source record: 6203
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"Randy" <rchapman8@houston.rr.com> wrote in message
news:26zH8.130793$Q42.6570780@typhoon.austin.rr.com...
> So Sparky, got any suggestions on building a dual band amp for FRS and MURS?
> Oh wait, nevermind, Mirage already makes those. TeeHee!

No they don't Randy. They do make dual band 2m, 70cm FM only amps, and only two models at that. The BD-35, which I use for my dual band HT, and the higher power version the BD-38-G. Both amps are for FM use only, and the output drops off real fast outside of the Ham Bands they are tuned to operate on.

--
Leland C. Scott
KC8LDO

Saw this on a Tee-shirt:

"I am a
bomb
technician
if you see me
running
try to keep up "

1131. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 02:04:11 UTC
From: randy_NO_SPAM_PLEASE_@frs-usa.com
Message-ID: <b03b87e2.0205251804.40f675be@posting.google.com>
Source record: 6205
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

horseshoe7@yahoo.com (stewart) wrote in message > Moonbounce? Have you completely lost all touch with reality? The
> fact that is basically all Amateur Radio seems to have to offer on
> VHF/UHF for a Technician operator PROOVES how irrelevant ham radio is
> becoming
>
> Repeaters, maybe... but moonbounce? Give me a break.
>
> Stewart - N0MHS
>

Stew...Do you not know that hams have been doing moonbounce with
2-meter rigs for a long time!

1132. List of Transmission Acronyms

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 03:00:44 UTC
From: Elcid <gator2@webmail.co.za>
Message-ID: <acpj55$rkqq4$1@ID-128558.news.dfncis.de>
Source record: 6206

Could anyone please direct me to a site which defines
Packet acronyms such as SABM, SRQTPQ, APW245, etc.
Thanks

1133. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 03:08:44 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0205251908.38d59985@posting.google.com>
Source record: 6207
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"LSB" <l.s.booth@worldnet.att.net> wrote in message
news:<D6OH8.3620$UT.274707@bgtnsc05-news.ops.worldnet.att.net>...
> Relevance???? I have a ham license, I am working on a 2.4ghz antenna, and a
> 160m antenna. I will look at and try if possible any new technology on one
> end and restore/use BA gear on the other. I love telecommunications. My ham
> ticket is relevant to me because I am an experimenter and an operator. I
> use 802.11b for home networking, just another technology. MURS is
> interesting. Do I see it as a threat to HR? No....Cynics who want to
> prophesize the demise of HR are the real threat. Do something, contribute
> to the science of radio, teach others.
>
> If the AR service is irrelevant to you......quit.

YOU are the one saying it is irrelevant, and seem to think you need to
argue that it isn't. I just said it has become LESS relevant... and
that's a FACT.

Stewart - N0MHS

1134. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 03:26:36 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0205251926.3db86efb@posting.google.com>
Source record: 6208
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

vhfradiobuff@aol.com (vhfradiobuff) wrote in message
news:<5e5fccab.0205251124.159d9aa1@posting.google.com>...
> horseshoe7@yahoo.com (stewart) wrote in message
news:<5f4fe4c2.0205231335.52663b3e@posting.google.com>...
> > With licenseless services like MURS beginning to flourish, Amateur
> > Radio just keeps getting less relevant.
>
> In that case, please email me and I will provide the shipping address
> where you can send all of your ham equipment. Thank you!

I'll ship you all the boat anchors you want - at YOUR EXPENSE... just
make a deposit via Paypal for everything you want :)

Let's start with a couple of old, and very large, MOCOM-70s that I
converted to run digital on 50.14 in the early 90's, OK? The relays
are still good on the beasts. However, you should be aware that they
DO have a propensity to set car alarms off when they are in need of a
tuneup. I'll throw in the service manual if you buy both. Shipping
and Handling charge for each radio - $50.

Stewart - N0MHS

P.S. I hope you have a good Service Monitor - you are going to need
it.

1135. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 04:53:31 UTC
From: Jim Hampton <aa2qa@frontiernet.net>
Message-ID: <44da9d49d3dccaa147cb64ea92af10b5.80792@mygate.mailgate.org>
Source record: 6209
Cross-posted to: rec.radio.cb,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.amateur.misc

Stewart, let's cut the nonsense and I'll ask a serious question - why do you seem to believe that amateur radio stopped with spark gap in the early 1900's? I've got news for you - the latest and greatest in cb could be cut to ribbons with amateur technology in the 60s - I know, I was there. What is it that you do not understand? My 440 MHz handheld runs only 6 aa alkaline batteries, yet is capable of using (not just opening, USING) repeaters 100 miles away. I've talked with guys on handhelds up in Watertown, NY - a good long ways from here - on the handheld. And this is old technology! You'd best brush up on PSK-31 and other modes before you continue to insert your foot in your mouth. Boat anchors exist everywhere. Get back on subject. Just exactly where do you think that anything without a license (including CB) has more to offer than something with a license? Please be specific.

Thanks & 73 from Rochester, NY
Jim

ps - I talked with Norm, VK2NP, in Brisbane, Australia, many many times using RTTY. Yep, old technology. Did it in the 60s. Go ahead and tell me how fantastic the internet is. I used to type 90 wpm on a 100 wpm machine in the navy and could keep the old 60 wpm machine in the shack going without interruption. Ok, you can cut and paste 3,000 wpm with the internet. How fast can you get information out on your own without simply copying someone else's information?

pps - the amateur scene is considerably faster than you may suspect.

"stewart" <horseshoe7@yahoo.com> wrote in message
news:5f4fe4c2.0205251926.3db86efb@posting.google.com

>
> I'll ship you all the boat anchors you want - at YOUR EXPENSE... just
> make a deposit via Paypal for everything you want :)
>
> Let's start with a couple of old, and very large, MOCOM-70s that I
> converted to run digital on 50.14 in the early 90's, OK? The relays
> are still good on the beasts. However, you should be aware that they
> DO have a propensity to set car alarms off when they are in need of a
> tuneup. I'll throw in the service manual if you buy both. Shipping
> and Handling charge for each radio - $50.
>
> Stewart - N0MHS
>
> P.S. I hope you have a good Service Monitor - you are going to need
> it.

--
Posted via Mailgate.ORG Server - http://www.Mailgate.ORG

1136. Help With Reprogramming M27256FI eEprom

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 05:34:48 UTC
From: Doug Gavilanes <gavilan1@earthlink.net>
Message-ID: <3CF073D7.EDF32F70@earthlink.net>
Source record: 6210
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

Greetings. I have a just few eEproms (bought from Pac-Comm) trying to run some Pac-Comm Tiny-2 TNCs, also bought from Pac-Comm, but for some unknown reason, the TNC will reset and the eEprom will lose all user parameters and revert to default settings. This takes me off of the air, as I'm trying to use one for APRS, but I can't keep one up for more than a day or two before the default settings reappear. I have spent hours with them on the phone teching the problem, with no success. Does anyone out with a programmer for this old IC have the ability to reburn this eEprom with my user parameters written into the default, so that when the unit resets, it will still be in an "on the air" capable APRS mode? I need to edit in about 12 settings or so, and since I bought these eEproms from the TNC manufacturer, I don't believe that editing and reburning the eEproms would be infringing on their copyright. Any help here appreciated. Please reply via e-mail to gavilan1@earthlink.net.

73 de Doug, N6XQY
Garden Grove, CA.

1137. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 05:42:17 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0205252142.50f55e0@posting.google.com>
Source record: 6211
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"K?B" <KAYZEROHANDSOMEBOY@ELECTRICSMOKE.NET> wrote in message
news:<7zMH8.461$J04.199@newsread2.prod.itd.earthlink.net>...
> "horseshoe7" <horseshoe7@yahoo.com> wrote
>
> > So please, do try to feed me a bunch of happy horsecrap about using amps
> on
> > VHF/UHF - it is VIRTUALLY USELESS.
>
> I love it when you talk LOUD to try to overcome your lack of rational
> persuasion.
>
> Speaking of loud, in the case of MURS (with only 5 channels) the old notion
> of 'capture effect' will ensure that I can get through all the other weak
> signals on channel. 'Capture effect' is done with power.
>
> Can you say "amplifier"?
>
> I knew you could!

Nobody is using illegal amplifiers on GMRS/FRS - why? Because it
makes no pratical sense. If the MURS/FRS/GMRS channels get so crowded
that people need to resort to amplifiers for the reason you cited -
then it is simply time for the FCC to add more channels to these
services... didn't think about that one, did you?

You see, you are still trapped in trying to equate 11m CB with
FRS/GMRS/MURS - and it just doesn't work. 11m CB might be "frequency
constrained" - but, with channel narrowization, there are PLENTY OF
UNUSED FREQUENCIES on VHF/UHF for small footprint public services...
besides, if these folks are putting it to such good use, then the hams
shouldn't mind giving up a few VHF/UHF frequencies too, right? Try
scanning them sometime - they are VIRTUALLY UNUSED.

Stewart - N0MHS

1138. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 08:28:01 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0205260028.11111ce6@posting.google.com>
Source record: 6213
Cross-posted to: rec.radio.amateur.policy,rec.radio.cb,rec.radio.amateur.digital.misc,rec.radio.amateur.misc

"Jim Hampton" <aa2qa@frontiernet.net> wrote in message
news:<a91e8a9784c35af8e5606c9d18c6c65d.80792@mygate.mailgate.org>...
> Stewart, you seem to think there isn't a point. The point is about
> learning. This served the United States very well back in 1968 (I
> believe it was 1968 - within a year). The Coast Guard lost a big tower
> on Saipan (did I get this right this time, Hans?). The Navy was having
> a big problem copying the hams they sent over to get communications
> back up (the disaster was caused by a typhoon). I was in the shack at
> KG6AAY on NavCommSta Guam and heard the goings on. I called the
> signs 'sparkplug, sparkplug1, this is KG6AAY standing by'. The net
> result was that the AMATEUR RADIO OPERATORS restored communications.
> For a number of days, we were the ONLY communications to that island.
> Hans was one of the guys that went over to Saipan. This has happened
> countless times, you simply may not have heard about it. One does not
> learn simply by talking on the radio. The hobby is much richer than you
> can ever imagine (and far bigger than I know about as well). It is a
> valuable resource to this country whether you or I believe it or not.

For crying out loud - this was 35 years ago.

The world has totally changed - everyone has cell phones now(except
me). The govt. is far more prepared to handle emergency comms these
days. I'm sorry to say, but I think you are living in the past.

But - if you must know, I don't believe ham radio is completely
pointless yet... but it is heading in that direction.

You know what - I'm starting to think that's why the FCC goes ahead
and simply allows all these CBers to have illegal amps - it is a
valuable National Resource :^) Could come in quite useful in an
emergency.

> 73 from Rochester, NY
> Jim AA2QA

Stewart - N0MHS

1139. Re: Skysweeper & HFDL

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 08:30:13 UTC
From: Tapio Salonen <tapio@estla.pp.fi>
Message-ID: <p21I8.973$EL6.15007@news.kpnqwest.fi>
Source record: 6214
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.shortwave

I am not understand your point??
I said I want ACARS and HFDL decoders. I am not interested in HF packet so MixW is not a solution, because it doesn't
support ACARS and HFDL.

I have been running skysweep demo for couple of days and it was first little difficult to understand how it works.
But, it's very logical and provides much more flexibility than other programs.
By the way, there's now reference manual in their web site.

Tapio

J. Duffy Beischel <jduffy(nospam)@zoomtown.com> wrote in message news:uev1v8rbtmtn9f@corp.supernews.com...
> Too bad it does not do HF Packet like MixW and MixW is a much easier package
> to use. Skysweeper is very difficult to use. Be careful what you get into.
> Is HFDL worth it?
>
>
> "Tapio Salonen" <tapio@estla.pp.fi> wrote in message
> news:trIH8.946$EL6.14970@news.kpnqwest.fi...
> >
> > It seems, that Skysweeper 2.8 (www.skysweep.com) is the only software in
> the
> > market supporting both ACARS and HFDL modes.
> > Before buying it, I would like to test also other softwares supporting
> both
> > those modes. Any suggestions?
> >
> > -Tapio
> >
> >
> >
>
>

1140. Wiring Diagrams Questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 08:43:39 UTC
From: Mike Sozio <soziom@t-online.de>
Message-ID: <acq35h$mh7$00$1@news.t-online.com>
Source record: 6212

I have been looking for a wiring diagram for the KAM XL and the TenTec Omni VI that shows how to utilize the RCA phono plugs on the back of the TenTec instead of going through the microphone connector. My main concern is with grounding.

It seems that I can receive fine with only using the center pin from the Kam to the Tentec; however, when I try to utilize the CW mode (I connect the cable to the center pin for an RCA connector that goes into the RCA phono plug labeled 'KEY' on the Tentec, I am unable to get the TenTec to transmit via the KAM.

Thanks for your assistance-- 73's

Mike
DA1VCZ

1141. mailbox holiday operation with soundcard.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 10:20:20 UTC
From: on4bam@yahoo.com
Message-ID: <3cf0b547.3450722@news.be.easynet.net>
Source record: 6215

Hi,

In July I will be on holiday in Malta (9H3Z will be the callsign). A soundcard interface is in the works and besides SSB I plan to work PSK from there. Since the whole setup seems so easy to work with I wonder if there's a way I would be able to check my mail with soundcard/software via pactor or packet? Packet works with AGW driver (at least in receive).
What would be the best way to go to have access to my e-mail? I looked at the winlink system which would suit my needs but as far as I could find there's no soundcard support.

Any other possibilities??
I only want to be able to send/receive a few short mails for skeds or info to the homefront (no 3rd party..)

TNX.

Bye Maurice
--
Hamradio: ON4BAM / M0CIL http://www.qsl.net/on4bam
Travelstories from Alaska, Scotland South Africa,Iceland,
Faroe Isl. and IOTA activations
going to Thailand? http://www.f-tguesthousehuahin.com/

1142. Re: Off Topic Spam: Important information regarding your usenet service

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 11:00:14 UTC
From: Tom Currie <N4AOF@iglou.com>
Message-ID: <3CF0C03E.EDF1A028@iglou.com>
Source record: 6216

Alan Larson wrote:
>
> I don't see how anything ATT broadband will do to their servers will affect
> my usenet service.
>
> Why did you spew this here?
>
> Alan

Duh, why don't you read the message before bitching?

I didn't spew the message -- the idiots at AT&T Customer Support
spewed that message into every newsgroup they carry on their news
server. Their "support" idiots are so clueless that they didn't
realize there are other people in the world who are not stuck being
AT&T customers.

If you've got any gripe about the message, take it up with the
idiots who posted it.

>
> In article <3CEEA47A.2869B500@iglou.com> you write:
> >Newsgroups: rec.radio.amateur.digital.misc
> >Subject: Important information regarding your usenet service
> >From: customer.support@broadband.att.com
> >Approved: abuse@attbi.net
> >Lines: 40
> >Message-ID: <YWwH8.12895$uh4.226@typhoon.mw.ipsvc.net>
> >Date: Fri, 24 May 2002 19:57:44 GMT
> >NNTP-Posting-Host: 24.131.1.118
> >X-Complaints-To: abuse@attbi.net
> >X-Trace: typhoon.mw.ipsvc.net 1022270264 24.131.1.118 (Fri, 24 May
> >2002 15:57:44 EDT)
> >NNTP-Posting-Date: Fri, 24 May 2002 15:57:44 EDT
> >Path:

1143. Re: I-Link details?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 12:03:11 UTC
From: JJ <ve1jot@hfx.eastlink.ca>
Message-ID: <3CF0CEFF.C9C6F783@hfx.eastlink.ca>
Source record: 6217

VK2JTP wrote:
>
> WHAT .. r u asking for .. the source .. ??
>
> On Thu, 14 Feb 2002 18:47:35 GMT, "David Cook" <nospam.davepc2@oz.net>
> wrote:
>
> >Does anyone have any technical details on the I-Link protocol? I've visited
> >http://www.aacnet.net/, of course, but am finding virtually nothing of use.
> >The QST article in this month's issue was essentially a better version of
> >the users guide, but didn't have any details either. Unlike PSK31 where
> >Peter Martinez and others have done an excellent job of making the details
> >available, I-Link seems to be a mystery. I commend Graeme Barnes on the
> >I-Link program, but as a ham, I'm not about to try it if I can't unscrew the
> >panels and inspect the guts first.
> >
> >Thanks for any pointers and 73 to all,
> >-- Dave, WA0TTN
> >
> >
Hmm, does Linux not EXIST for these authors? I like pouring thru the
source code
to ensure that it's not gonna have anything in it that I don't want in
it, like
spyware, trojans, odd port calls, and proper mem pointers..
Cheers,
JJ

1144. Re: I-Link details?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 12:46:34 UTC
From: Jim Hale <halebopp@cox.net>
Message-ID: <KO4I8.88675$Md6.2854965@news1.east.cox.net>
Source record: 6218

"JJ" <ve1jot@hfx.eastlink.ca> wrote
> VK2JTP wrote:
> >
> > WHAT .. r u asking for .. the source .. ??
> >
> > "David Cook" wrote:
> >
> > >Does anyone have any technical details on the I-Link protocol? I've visited
> > >http://www.aacnet.net/, of course, but am finding virtually nothing of use.
> > >
> Hmm, does Linux not EXIST for these authors? I like pouring thru the
> source code
> to ensure that it's not gonna have anything in it that I don't want in
> it, like spyware, trojans, odd port calls, and proper mem pointers..

Linux is shit when it comes to sound cards. Most Linux people
don't even know a sound card exists yet.

Write to Bill Gates. He'll let you pour through his source code too.

Why not just fucking use it, eh? It's fun.

Sheesh.

1145. Re: I-Link details?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 13:00:37 UTC
From: Paul Peterson <pp23@cox.net>
Message-ID: <V%4I8.88695$Md6.2857135@news1.east.cox.net>
Source record: 6219

"JJ" <ve1jot@hfx.eastlink.ca> wrote
> VK2JTP wrote:
> >
> > WHAT .. r u asking for .. the source .. ??
> >
> > "David Cook" wrote:
> >
> > >Does anyone have any technical details on the I-Link protocol? I've visited
> > >http://www.aacnet.net/, of course, but am finding virtually nothing of use.
>
> Hmm, does Linux not EXIST for these authors? I like pouring thru the source code
> to ensure that it's not gonna have anything in it that I don't want in it, like spyware,
> trojans, odd port calls, and proper mem pointers..

It's not public domain, and if the source code were released, then the hackers
would really have a field day, or worse, Hams would modify it and we'd have
20 versions like NOS had. Mostly ego trips.

If you want to do something useful, go take a look at Speak Freely. That's
the main software it uses, with a user interface on top. Speak Freely has been
debugged for years.

If you want something to pour over, I suggest Microsoft Money. They need
all the help they can get.

1146. Re: Back up Power

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 16:54:23 UTC
From: JB <ac6tk@nospamcybertime.net>
Message-ID: <acr3ur$939$1@madmax.keyway.net>
Source record: 6220
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

You really have to know what you have before you can know
how to maintain them, or if they are compatible with your usage.

REAL gel cells are plentiful and available in a variety of AH
ratings. And most do not leak at all, even if turned upside
down.

Maintenance Free car batteries often use a calcium
additive that reduces the electrolyte loss and allows a greater
margin for overcharge. This doesn't hurt the ability to supply
adequate starting power, but makes for poor deep-cycle
performance, and recovery after a deep cycle. They also tend
to leak at the post, making them no better than a REAL deep-
cycle Marine or Golf cart battery that allows you to add water
as needed. BTW I have seen Golf cart batteries on sale at
CostCo for a great price.

All I was stating, was that if you were for some reason forced
to use a car battery, you would be better off with a Marine/starting
or RV battery, than with a stock type car battery.

However, I don't see why anyone would want to use a stock type
car battery unless they had a bunch of junk cars in the yard, and
a low current drain accessory to run, like an old CB or 8-track
stereo, because stock type low-maintenance or maintenance-free
car batteries don't keep well in this kind of operation.

Jim,ac6tk

"Roy Lewallen" <w7el@eznec.com> wrote in message news:3CEEFE0F.B6891A73@eznec.com...
: I've found that, for reasons that I don't understand, amateurs call all
: sealed lead-acid batteries "gel cells". All the sealed lead-acid
: batteries I've seen, with the exception of cylindrical Gates cells, have
: liquid electrolyte. Sealed lead-acid batteries with gelled electrolyte
: do exist, but they're relatively rare. So without other information, I'd
: assume that the Mendelsons "gel cells" have liquid electrolyte, not
: gelled.
:
: Roy Lewallen, W7EL
:
: JB wrote:
: >
: > 17AH gel cells will barely run an HT. High current drains are
: > impractical because gassing within the cells insulates the plates

: > faster than the gel can absorb and causes the internal resistance to
: > rise out of hand. Current drains should be limited to 20% of AH
: > rating (and with boat batteries too).
: >
: > Big as you can get (into your tray) Marine/Starting batteries are a
: > pretty good compromise if you have to use it in your car.
: >
: > Jim, ac6tk

1147. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 17:59:59 UTC
From: "G. M. Alf" <gmalf.ears@verizon.net>
Message-ID: <t582fugstfa57hn1psnsgfretfb8s0q1u7@4ax.com>
Source record: 6221
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

On Fri, 24 May 2002 22:36:13 -0500, "Rood" <FRS@myrigs.com> wrote:

>The FRS freqs in our area are not overly busy, but what is heard on them is
>a precursor of what is to come. Cussing, arguing, name-calling, et al are
>already happening. It will only grow worse and MURS will soon follow suit.
>To believe otherwise is foolish and myopic.

FRS has been with us for a few years already with radios available
that anyone could afford. How long will it be before FRS is totally
overrun by nonsense, 20 to 30 years?

MURS activity in my area has dropped since it first became legal. I
expect to hear a small increase in use when MURS specific radios
become available but I don't expect to hear the armageddon that many
are claiming.

Most who will be attracted to MURS will not want to put the effort
into a monster station (which would do little good anyway.) If they
want greater range they'll stick with their cell phones.

Mike

1148. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 18:05:40 UTC
From: "G. M. Alf" <gmalf.ears@verizon.net>
Message-ID: <io82fucluma836abhvi4j1gdck9fqd8s51@4ax.com>
Source record: 6222
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

On Fri, 24 May 2002 22:43:46 -0500, "Rood" <FRS@myrigs.com> wrote:

>I wonder how long it will be before we hear "Roger Beeps" and echo boxes on
>MURS?

I have yet to hear an echo box on FRS.

Roger beeps were initiated by radio manufacturers, not users of FRS
radios.

If you hear roger beeps on MURS you can thank the manufacturers.

Mike

1149. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 18:11:11 UTC
From: "G. M. Alf" <gmalf.ears@verizon.net>
Message-ID: <g092fu8tvoqp63c6oa4ul74d6l35iu5t00@4ax.com>
Source record: 6223
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

On Sun, 26 May 2002 00:28:19 GMT, "Leland C. Scott"
<no-spam@junk-mail.net> wrote:
>
>Maybe or maybe not. The Ham Fox hunters will have a field day tracking down the bozos,
>on VHF it is much harder to hide one's activities and location. The real concern is not
the
>running of power, but the fact that the idiots who do the above will find it almost
irresistible
>to dial their modified 2m rigs down to the Ham 2m band to take advantage of the nation
>wide system of repeaters, some linked in to multistate coverage systems, for a quick QSO
>with other like minded pirate operators. The reason they would even consider dropping
>down to the 2m Ham band is due to the fact that many businesses still use the now
>unlicensed MURS frequencies, and likely will continue to do so. This could make the
>current problem with intruders on 10m and 12m look small.

The one real live problem I've heard about on MURS (as far as
non-certified radios) was with Ham operators using their 2m radios on
MURS.

The fox hunts will turn up some of their own people.

Mike

1150. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 18:21:44 UTC
From: "G. M. Alf" <gmalf.ears@verizon.net>
Message-ID: <sh92fukn6aki18gk89hkivna69dvupd01r@4ax.com>
Source record: 6224
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

On Sat, 25 May 2002 05:59:13 -0500, "Rood" <FRS@myrigs.com> wrote:

>No matter what you post, no matter your arguments, the simple unalterable
>fact remains that the low life
>CBers will soon ruin the MURS frequencies.

When is soon? CBers like to talk skip. Do you expect a particularly
odd sun cycle that will allow skip on VHF?

The only people who will come close to causing problems on MURS are
those who will pay less than $30 for their radio and those radios will
not have the range to bother anyone.

Why would anyone give up all their high powered CB gear that talks all
over the world for more expensive equipment that might possibly talk
to the next town regardless of power?

Mike

1151. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 18:26:32 UTC
From: "G. M. Alf" <gmalf.ears@verizon.net>
Message-ID: <v3a2fuo6j1k7vd61ajj16sudggk6hb2274@4ax.com>
Source record: 6225
Cross-posted to: alt.radio.family,rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.cb

On Sat, 25 May 2002 01:43:56 GMT, "Phil Kane"
<Phil.Kane@na.shmavz.ka.pop> wrote:

> Two methods of Rules changes - go through the procedures starting
> with a Petition for Rulemaking, or just go ahead and do what the law
> does not allow you to do and if enough people do it the gov'mint will
> turn chicken and leave you alone.
>
> The second method makes me sick.

The second is kind of like the Boston Tea Party.

Mike

1152. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 18:43:53 UTC
From: K&#65533;HB <KAYZEROHANDSOMEBOY@ELECTRICSMOKE.NET>
Message-ID: <J1aI8.2497$nl5.1446@newsread1.prod.itd.earthlink.net>
Source record: 6226
Cross-posted to: alt.radio.family,rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.cb

"G. M. Alf" <gmalf.ears@verizon.net> wrote in message
news:v3a2fuo6j1k7vd61ajj16sudggk6hb2274@4ax.com...
> On Sat, 25 May 2002 01:43:56 GMT, "Phil Kane"
> <Phil.Kane@na.shmavz.ka.pop> wrote:
>
> > Two methods of Rules changes - go through the procedures starting
> > with a Petition for Rulemaking, or just go ahead and do what the law
> > does not allow you to do and if enough people do it the gov'mint will
> > turn chicken and leave you alone.
>
> The second is kind of like the Boston Tea Party.
>
> Mike

Mike,

Are you suggesting that MURS operators might stage a "Boston Tea Party" to
acquire additional channels?

73, de Hans, K0HB
&#65533;&#65533;&#65533; SOC # 291 http://www.qsl.net/soc/

1153. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 19:46:30 UTC
From: Jim Hampton <aa2qa@frontiernet.net>
Message-ID: <ee800a6e025bf8bb01dd557f89f5aef7.80792@mygate.mailgate.org>
Source record: 6227
Cross-posted to: rec.radio.cb,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.amateur.misc

Stewart, I'll be dipped. You missed the point again. Too bad you were not (obviously) in NYC on 9/11. Go ahead, use your cell phone - IF you can. Amateur radio certainly can't provide the huge infrastructure that commercial concerns can, BUT ...

Beyond that, amateur radio SHOULD be about learning. I've tried to argue that what is being done at my employer's place for data collection is not the way to do it. I think I'll simply leave the latest issue of QST lying around the plant. Maybe someone will read the article on hidden packet stations and come to the realization that what I've been saying for two years is correct. This does relate to amateur radio - do you think we are all still using spark gap and cw or what? I've got news for you - things DO change, but PRINCIPALS and CONCEPTS still apply. 500 volts from that boat anchor can still kill you, despite the fact it was built 50 years ago. Internet, packet, amateur radio - they all have some common grounds. Allowing a CBer a 10,000 watt amplifier will only add to problems, not provide solutions. Your problem is very common - I see it at work every day. This is going to get REALLY funny. I can now retire (I hit 55 on the 21st). You see, many people at work have the same perceptions you do. Once my retirement papers are signed (which won't be for a few more years yet - I want more pension), I will be demonstrating an interesting program. I did it once before with the old Texas Instruments ladder controllers. I wanted to do it 6 years ago (but the young very important folks said - it won't work, you won't have all of the CPU instructions in it - listen to this, Bill Gates!). I can program any of the Allen-Bradley SLCs in under 15 minutes with nothing but the I/O listings. It will be far more efficient than the code they currently use (a 35 ms scan time will be brought down to well under 5 ms). Unfortunatly, I had to sign an agreement with my employer which forbids me to work for a competitor for 2 years - but this was done on MY computer AT HOME with MY software. It has been costing them over $200,000.00 per year for the last 5 years. I will demonstrate it. It will automatically place an OEM LOCK on the program in the controller at which point they can alway leave it in or put their old software back into the controller. My software has a copywrite. Tough ...

BWHAhahahahah

What is pointless is the attitude you and many others display. It is costing FAR more than you will ever have a clue.

Here's to 'pointless' amateur radio!

Jim

"stewart" <horseshoe7@yahoo.com> wrote in message
news:5f4fe4c2.0205260028.11111ce6@posting.google.com

> For crying out loud - this was 35 years ago.
>
> The world has totally changed - everyone has cell phones now(except
> me). The govt. is far more prepared to handle emergency comms these
> days. I'm sorry to say, but I think you are living in the past.
>
> But - if you must know, I don't believe ham radio is completely
> pointless yet... but it is heading in that direction.
>
> You know what - I'm starting to think that's why the FCC goes ahead
> and simply allows all these CBers to have illegal amps - it is a
> valuable National Resource :^) Could come in quite useful in an
> emergency.
>
> Stewart - N0MHS

--
Posted via Mailgate.ORG Server - http://www.Mailgate.ORG

1154. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 20:20:22 UTC
From: "G. M. Alf" <gmalf.ears@verizon.net>
Message-ID: <sjg2fukt9loj08s7v6oujq99um6oclrtna@4ax.com>
Source record: 6228
Cross-posted to: alt.radio.family,rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.cb

On Sun, 26 May 2002 18:43:53 GMT, "Kï¿½HB"
<KAYZEROHANDSOMEBOY@ELECTRICSMOKE.NET> wrote:

>
>"G. M. Alf" <gmalf.ears@verizon.net> wrote in message
>news:v3a2fuo6j1k7vd61ajj16sudggk6hb2274@4ax.com...
>> On Sat, 25 May 2002 01:43:56 GMT, "Phil Kane"
>> <Phil.Kane@na.shmavz.ka.pop> wrote:
>>
>> > Two methods of Rules changes - go through the procedures starting
>> > with a Petition for Rulemaking, or just go ahead and do what the law
>> > does not allow you to do and if enough people do it the gov'mint will
>> > turn chicken and leave you alone.
>>
>> The second is kind of like the Boston Tea Party.
>>
>> Mike
>
>Mike,
>
>Are you suggesting that MURS operators might stage a "Boston Tea Party" to
>acquire additional channels?

That was done years ago and we now have a legal service that will
continue to operate with very few problems for years.

Additional channels are not needed and will probably not be needed for
some time.

Mike

1155. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 20:42:34 UTC
From: 'Doc <w5lz@icok.net>
Message-ID: <3CF148A1.4F5DF286@icok.net>
Source record: 6229
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

stewart,
The likelihood of more channels being added to
FRS/MURS/GMRS is very small. If they turn into a
'FUBAR' like other services have, it's a more likely
possibility that they will be deregulated and enforcement
turned over to local government agencies. Come to
think of it, with no license requirements for FRS, it
already falls under PL-106-521. Oh ho!
'Doc

1156. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 21:35:44 UTC
From: Phil Kane <Phil.Kane@na.shmavz.ka.pop>
Message-ID: <cuvyxnansvbet.gwqd217.pminews@netnews.attbi.com>
Source record: 6230
Cross-posted to: alt.radio.family,rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.cb

On 25 May 2002 22:42:17 -0700, stewart wrote:

>Nobody is using illegal amplifiers on GMRS/FRS - why? Because it
>makes no pratical sense.

It makes no sense to someone like us who has some technical
background. It would appear to make a lot of sense to someone whose
extent of technical knowlesge is limited to or focussed on figuring
that 100 watts has GOT to be better than 4 watts because that's what
happens on 11m and anyway it's more watts.

Consider that I do get greater range (can hit repeater or fixed
stations further away) with my 50 w 2-m rig than when I crank it
down to 10 watts. It almost makes the ",ore watts is better"
argument.

I've been on 2-m proving that for the last 40 years.....

It all boils down to whether the use of amplifiers to increase the
power output of a MURS or FRS station is legal.

It is not.

A regulatory policy decision, not a technical decision.

---
73 de K2ASP - Phil Kane

From a Clearing in the Silicon Forest
Beaverton (Washington County) Oregon

1157. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 21:35:44 UTC
From: Phil Kane <Phil.Kane@na.shmavz.ka.pop>
Message-ID: <cuvyxnansvbet.gwqdiy8.pminews@netnews.attbi.com>
Source record: 6231
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.cb

On 26 May 2002 01:28:01 -0700, stewart wrote:

>You know what - I'm starting to think that's why the FCC goes ahead
>and simply allows all these CBers to have illegal amps - it is a
>valuable National Resource :^) Could come in quite useful in an
>emergency.

The reason is that The Congress does not want to fund the FCC
field enforcement function at a proper level. Put the proper
number of agents on the street (about 10-15 times what is there now
is a good start) and nrvrddstu mstvchingotfrtd yo yhr Justice
Department to stop kissing off such cases and you will see a marked
difference/cleanup of all such problems.

The last people that the gov'mint would entrust backuo
communications to is the "I have a good afterburner" crowd.

---
73 de K2ASP - Phil Kane

1158. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 21:45:25 UTC
From: K&#65533;HB <KAYZEROHANDSOMEBOY@ELECTRICSMOKE.NET>
Message-ID: <VHcI8.2782$nl5.2608@newsread1.prod.itd.earthlink.net>
Source record: 6232
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.cb

"Phil Kane" <Phil.Kane@na.shmavz.ka.pop> wrote

> and nrvrddstu mstvchingotfrtd yo yhr Justice

Phil,

You're going to need to help us with this legal jargon.

73, de Hans, K0HB
&#65533;&#65533;&#65533; SOC # 291 http://www.qsl.net/soc/

1159. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 21:58:13 UTC
From: Phil Kane <Phil.Kane@na.shmavz.ka.pop>
Message-ID: <cuvyxnansvbet.gwqf3i9.pminews@netnews.attbi.com>
Source record: 6233
Cross-posted to: alt.radio.family,rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.cb

On Sun, 26 May 2002 18:26:32 GMT, G. M. Alf wrote:

>> Two methods of Rules changes - go through the procedures starting
>> with a Petition for Rulemaking, or just go ahead and do what the law
>> does not allow you to do and if enough people do it the gov'mint will
>> turn chicken and leave you alone.
>>
>> The second method makes me sick.
>
>The second is kind of like the Boston Tea Party.

See my earlier posting about the Boston Tea Party. It had nothing to
do with taxation and the King. It had everything to do with
protecting something that today would be shut down umder the RICO
laws and the "Patriots" sent to Lompoc or Butner FCIs.

---
73 de K2ASP - Phil Kane

1160. Re: I-Link details?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 22:19:39 UTC
From: Unclaimed Mysteries <k4doh@mindspring.com>
Message-ID: <acrn0u$t5r$1@slb6.atl.mindspring.net>
Source record: 6234

"Jim Hale" <halebopp@cox.net> sez in part:

> Linux is shit when it comes to sound cards. Most Linux people
> don't even know a sound card exists yet.
>

The authors and users of kpsk, twpsk, and other linux programs disagree.

> Write to Bill Gates. He'll let you pour through his source code too.

Most ham people are pliable, submissive consumers when it comes to computer
technology. They drink the Microsoft Kool-Aid and claim that MS "innovates."

> Why not just fucking use it, eh? It's fun.

Errrrr....

> Sheesh.

I agree with this part.

73 K4DOH Corry
--

It Came From C. L. Smith's Unclaimed Mysteries.
http://www.unclaimedmysteries.net

1161. Re: I-Link details?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 22:21:07 UTC
From: Unclaimed Mysteries <k4doh@mindspring.com>
Message-ID: <acrn3l$32d$1@slb4.atl.mindspring.net>
Source record: 6235

"Paul Peterson" <pp23@cox.net> wrote in part:

> It's not public domain, and if the source code were released, then the
hackers
> would really have a field day, or worse, Hams would modify it and we'd
have
> 20 versions like NOS had. Mostly ego trips.
>

Security through obscurity. Yep, THAAAT really works.

--
It Came From C. L. Smith's Unclaimed Mysteries.
http://www.unclaimedmysteries.net/

1162. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 23:15:52 UTC
From: aaron_voobner@yahoo.com
Message-ID: <7314c094.0205261515.76966bd9@posting.google.com>
Source record: 6236
Cross-posted to: rec.radio.amateur.policy,rec.radio.cb,rec.radio.amateur.digital.misc,rec.radio.amateur.misc

horseshoe7@yahoo.com (stewart) wrote in message
news:<5f4fe4c2.0205260028.11111ce6@posting.google.com>...
> You know what - I'm starting to think that's why the FCC goes ahead
> and simply allows all these CBers to have illegal amps - it is a
> valuable National Resource :^) Could come in quite useful in an
> emergency.

Only if the emergency did not require ACTUAL communication. CBers with
illegal amps have perfected the art of "one-way communication". Thier
technology (if you can call it that) is all concentrated on one goal:
transmitting the loudest possible signal. The receiving side of the
equation (DSP filters, narrow IF filters, audio passband filters,
directional antennas, etc) is totally ignored because it isn't
relevant to them.

-Aaron-

1163. Re: I-Link details?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-26 23:16:49 UTC
From: Paul Peterson <pp23@cox.net>
Message-ID: <B1el8.90018$Md6.2979455@news1.east.cox.net>
Source record: 6237

"Unclaimed Mysteries" wrote
>
> "Paul Peterson" wrote in part:
>
> > It's not public domain, and if the source code were released, then the
> > hackers would really have a field day, or worse, Hams would modify it
> > and we'd have 20 versions like NOS had. Mostly ego trips.
>
> Security through obscurity. Yep, THAAAT really works.

Hey, go to sourceforge and start your own link. Be as secure
as you like...

1164. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-27 01:10:55 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0205261710.668ffdaf@posting.google.com>
Source record: 6238
Cross-posted to: alt.radio.family,rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.cb

"K?B" <KAYZEROHANDSOMEBOY@ELECTRICSMOKE.NET> wrote in message
news:<J1aI8.2497$nl5.1446@newsread1.prod.itd.earthlink.net>...
> "G. M. Alf" <gmalf.ears@verizon.net> wrote in message
> news:v3a2fuo6j1k7vd61ajj16sudggk6hb2274@4ax.com...
> > On Sat, 25 May 2002 01:43:56 GMT, "Phil Kane"
> > <Phil.Kane@na.shmavz.ka.pop> wrote:
> >
> > > Two methods of Rules changes - go through the procedures starting
> > > with a Petition for Rulemaking, or just go ahead and do what the law
> > > does not allow you to do and if enough people do it the gov'mint will
> > > turn chicken and leave you alone.
> >
> > The second is kind of like the Boston Tea Party.
> >
> > Mike
>
> Mike,
>
> Are you suggesting that MURS operators might stage a "Boston Tea Party" to
> acquire additional channels?

We already had a "VX-5 Tea Party"... but now that all the old Part 90
radios have been made compliant - and all new radios only have to meet
Part 95 regs - the citizenry has been appeased.

Yes - I think the "Boston Tea Party" analogy is a DAMN good one. I
wouldn't look for anything else like this to happen for a couple more
years, however. Right now, we are going to have to fill up the lower
three MURS channels.

Could we see consumer MURS radios by THIS Christmas? I hope so - and I
also hope they come with removable antennas(BNC connectors preferred).

I'd love to see a T7200 clone for MURS(with Wx), but with a BIG
removable antenna, and FULL 2W TPO on all 5 channels. Even if it does
cost $129 - I'd buy a pair... eventually the price will drop below
$100 at Wal-Mart...

http://commerce.motorola.com/cgi-bin/ncommerce3/ProductDisplay?prrfnbr=248016&prmenbr=126&
twoway_cgrfnbr=9&zipcode=&prsdesc=TALKABOUTï¿½%20T7200%20NiMH

Stewart - horseshoe7 - N0MHS - E Pluribus Unum

1165. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-27 01:46:53 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0205261746.32491053@posting.google.com>
Source record: 6239
Cross-posted to: rec.radio.cb,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.amateur.misc

"Jim Hampton" <aa2qa@frontiernet.net> wrote in message
news:<44da9d49d3dccaa147cb64ea92af10b5.80792@mygate.mailgate.org>...
> Stewart, let's cut the nonsense and I'll ask a serious question - why
> do you seem to believe that amateur radio stopped with spark gap in the
> early 1900's?

I don't - you misinterpreted the point of my post.

What I'm saying is that Amateur Radio has slowly become less relevant
in the last 10 years, but the trend is accelerating. As this trend
continues, the ARS is losing it's PURPOSE... this is especially true
on the VHF/UHF bands, whose use has dwindled to the point that they
are VIRTUALLY UNUSED. Even 2m has no more than modest activity -
other than a few high-level repeaters, and an occasional simplex or
packet QSO, or some folks doing EME... NADA.

Why not open up 1.25M for a new NoCode Novice Class? At least then we
could start getting families/friends/collegues involved with Amateur
Radio. Otherwise, why not just let the public use these frequencies?
They aren't being used for anything.

Stewart - N0MHS

1166. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-27 02:25:41 UTC
From: K&#65533;HB <KAYZEROHANDSOMEBOY@ELECTRICSMOKE.NET>
Message-ID: <FOgI8.98$2W5.40@newsread1.prod.itd.earthlink.net>
Source record: 6240
Cross-posted to: rec.radio.cb,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.amateur.misc

"stewart" <horseshoe7@yahoo.com> wrote

> Why not open up 1.25M for a new NoCode Novice Class? At least then we
> could start getting families/friends/collegues involved with Amateur
> Radio.

Good news, Stewart! I just checked, and 222-225MHz is open to NoCode
licensees. I think it happened back in about 1991. And 219-220MHz is
available for high speed data links up to 100KHz wide. Yes, to NoCode
licensees. Go do something cool!

73, de Hans, K0HB
&#65533;&#65533;&#65533; SOC # 291 http://www.qsl.net/soc/

1167. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-27 02:29:22 UTC
From: Paul Peterson <pp23@cox.net>
Message-ID: <6Sgl8.90396$Md6.3020010@news1.east.cox.net>
Source record: 6241
Cross-posted to: rec.radio.cb,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.amateur.misc

"stewart" wrote
>
> What I'm saying is that Amateur Radio has slowly become less relevant
> in the last 10 years, but the trend is accelerating.

Amateur Radio has changed. That is a fact. The reason it
changed, is that you can't build a radio cheaper than you can buy it.

All those Hams who could build a radio, are dead and gone.

What that leaves, is the Hams who like to interface things to a
pre-built radio. There is a lot of experimentation and fun in doing
those projects.

Radio is not the fascinating thing it was in the 60's and before.
Radio is boring since the invention of the CD. Not many people
stay up all night to here a far away AM station like we did as kids.

Radio is an appliance to Americans, not as much a hobby anymore.

The numbers will never again reach what there was at the peak
of Ham radio. The commercialization of RF to one or two
companies in America will continue, and Ham radio will go to
the same place that model railroaders, and slot car racing went.

Hobbies die, and people die. MURS is still-born.

1168. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-27 02:33:46 UTC
From: K&#65533;HB <KAYZEROHANDSOMEBOY@ELECTRICSMOKE.NET>
Message-ID: <eWgI8.115$2W5.110@newsread1.prod.itd.earthlink.net>
Source record: 6242
Cross-posted to: rec.radio.cb,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.amateur.misc

"Paul Peterson" <pp23@cox.net> wrote

>
> The numbers will never again reach what there was at the peak
> of Ham radio.
>

Don't look now, but the number of Amateur Radio (Ham) licensees is at an all
time high. Never before in history have there been so many us!

73, de Hans, K0HB
&#65533;&#65533;&#65533; SOC # 291 http://www.qsl.net/soc/

1169. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-27 02:49:12 UTC
From: Jim Hampton <aa2qa@frontiernet.net>
Message-ID: <1dc9daf52abd3dd483f6cfdf9e476f06.80792@mygate.mailgate.org>
Source record: 6243
Cross-posted to: rec.radio.amateur.policy,rec.radio.cb,rec.radio.amateur.digital.misc,rec.radio.amateur.misc

Well, everything changes. Vinyl records are gone, but does it mean the music industry is gone? Are musicians gone? Likewise, amateur radio has changed, but it continues and is quite relevant today. If you understand packet, you won't have any problem understanding how many devices communicate (the first foreign language is difficult; others become easier). You mention the repeaters. Heck, we have a pack of 'em here in Rochester, NY. No, they aren't busy a good deal of the time (like at 3:00 am local time - but I've had interesting chats at those odd hours of the morning too, so they aren't dead even then). The purpose SHOULD be about learning. Just opening up frequencies for unlicensed use won't further learning. There are already a good number of frequencies for unlicensed use (even for wireless local area networks). One of the repeaters here locally is connected to several ports connecting 10, 6, and 2 meters as well as 220 and 440 MHz. I've had chats with stations in England and Australia over these (no, not internet linking - all rf paths courtesy of that 10 meter port). That said, this was just a simply recreation at the time. The learning is what pays off for everyone. Most hams have never been involved in an emergency. The point is that many are trained and could offer assistance
if needed. I guess the best I can offer is this - hospitals have much more equipment and doctors available; therefore we should eliminate ambulances. Right? No, amateurs cannot compete with the huge infrastructure that commercial firms have provided (I've stated that earlier); but some communications are better than none. Don't bet the farm that adding another 10 million people using FRS, CB, MURS, or whatever else that doesn't require a license is likely to help in a real emergency where telephones and power are out for many miles around.

73 from Rochester, NY
Jim

ps - there are a ton of bands for codeless techs. That is fine. If you suggest they should be open license free, then recheck this post.

"stewart" <horseshoe7@yahoo.com> wrote in message
news:5f4fe4c2.0205261746.32491053@posting.google.com

> I don't - you misinterpreted the point of my post.
>
> What I'm saying is that Amateur Radio has slowly become less relevant
> in the last 10 years, but the trend is accelerating. As this trend
> continues, the ARS is losing it's PURPOSE... this is especially true
> on the VHF/UHF bands, whose use has dwindled to the point that they

> are VIRTUALLY UNUSED. Even 2m has no more than modest activity -
> other than a few high-level repeaters, and an occasional simplex or
> packet QSO, or some folks doing EME... NADA.
>
> Why not open up 1.25M for a new NoCode Novice Class? At least then we
> could start getting families/friends/collegues involved with Amateur
> Radio. Otherwise, why not just let the public use these frequencies?
> They aren't being used for anything.
>
> Stewart - N0MHS

--
Posted via Mailgate.ORG Server - http://www.Mailgate.ORG

1170. Re: Back up Power

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-27 02:56:57 UTC
From: mcalhoun@ksu.edu
Message-ID: <acs79p$bdk@unix1.cc.ksu.edu>
Source record: 6245
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

>Maintenance Free car batteries often use a calcium additive that reduces
>the electrolyte loss and allows a greater margin for overcharge. This
>....[snip]....
>However, I don't see why anyone would want to use a stock type
>car battery unless they had a bunch of junk cars in the yard, and
>a low current drain accessory to run, like an old CB or 8-track
>stereo, because stock type low-maintenance or maintenance-free
>car batteries don't keep well in this kind of operation.

That doesn't match my experience.

I've powered an 100-watt HF transceiver, a 25-watt VHF transceiver, and
an AM/FM receiver (for easy listening), plus occasionally even the lights
(when the mains are off) in my shack for over 25 years using stock lead-
acid batteries from my local discount store. They last about as long
(3-5 years) in my "shack" as they do in my automobiles.

--Myron.
--
Five boxes preserve our freedoms: soap, ballot, witness, jury, and cartridge
PhD EE (retired). "Barbershop" tenor. CDL(PTX). W0PBV. (785) 539-4448
NRA Life Member and Certified Instructor (Home Firearm Safety, Rifle, Pistol)

1171. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-27 03:04:25 UTC
From: Paul Peterson <pp23@cox.net>
Message-ID: <ZmhI8.90400$Md6.3028483@news1.east.cox.net>
Source record: 6244
Cross-posted to: rec.radio.cb,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.amateur.misc

"K HB" wrote
>
> "Paul Peterson" <pp23@cox.net> wrote
>
> >
> > The numbers will never again reach what there was at the peak
> > of Ham radio.
> >
>
> Don't look now, but the number of Amateur Radio (Ham) licensees is at an all
> time high. Never before in history have there been so many us!

People who died 10 years ago, are still listed as Hams.
Don't believe the numbers.

The other statistic tool you must know about, is per-Capita. That is,
how many Hams per 100,000 Americans in age groups like
9-12, 13-16, 17-20, 21-30, 31-40, 41-50, 51-60, 61-70, 71-80?

Have those gone up? No, they've gone down.

1172. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-27 03:50:48 UTC
From: Robert Casey <wa2ise@ix.netcom.com>
Message-ID: <3CF1AD18.3EAC2BCF@ix.netcom.com>
Source record: 6246
Cross-posted to: rec.radio.cb,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.amateur.misc

Paul Peterson wrote:

> The commercialization of RF to one or two
> companies in America will continue, and Ham radio will go to
> the same place that model railroaders, and slot car racing went.

Don't know about slot cars, but model railroading is alive and well.
They have new technology, called "DCC", where each locomotive
has an addressable decoder and you have handheld controllers
to control individual trains anywhere on the layout. Some of these
handhelds use a radio link instead of a wired link. Frequency around
900MHz.

1173. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-27 03:56:00 UTC
From: Dave Heil <k8mn@earthlink.net>
Message-ID: <3CF1AE4B.6BB35C9B@earthlink.net>
Source record: 6247
Cross-posted to: rec.radio.cb,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.amateur.misc

stewart wrote:
>
> "Jim Hampton" <aa2qa@frontiernet.net> wrote in message
news:<44da9d49d3dccaa147cb64ea92af10b5.80792@mygate.mailgate.org>...
> > Stewart, let's cut the nonsense and I'll ask a serious question - why
> > do you seem to believe that amateur radio stopped with spark gap in the
> > early 1900's?
>
> I don't - you misinterpreted the point of my post.
>
> What I'm saying is that Amateur Radio has slowly become less relevant
> in the last 10 years, but the trend is accelerating. As this trend
> continues, the ARS is losing it's PURPOSE... this is especially true
> on the VHF/UHF bands, whose use has dwindled to the point that they
> are VIRTUALLY UNUSED. Even 2m has no more than modest activity -
> other than a few high-level repeaters, and an occasional simplex or
> packet QSO, or some folks doing EME... NADA.

You're like the guy living on a tiny island who ponders how small the
world is. If you don't know of something, it can't exist.

Dave K8MN

1174. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-27 04:37:06 UTC
From: Brian P Burke <bpburke@prodigy.net>
Message-ID: <SJil8.3943$WE7.115521739@newssvr17.news.prodigy.com>
Source record: 6248
Cross-posted to: rec.radio.cb,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.amateur.misc

"Dave Heil" <k8mn@earthlink.net> wrote in message
news:3CF1AE4B.6BB35C9B@earthlink.net...
> stewart wrote:
> >
> > "Jim Hampton" <aa2qa@frontiernet.net> wrote in message
news:<44da9d49d3dccaa147cb64ea92af10b5.80792@mygate.mailgate.org>...
> > > Stewart, let's cut the nonsense and I'll ask a serious question - why
> > > do you seem to believe that amateur radio stopped with spark gap in
the
> > > early 1900's?
> >
> > I don't - you misinterpreted the point of my post.
> >
> > What I'm saying is that Amateur Radio has slowly become less relevant
> > in the last 10 years, but the trend is accelerating. As this trend
> > continues, the ARS is losing it's PURPOSE... this is especially true
> > on the VHF/UHF bands, whose use has dwindled to the point that they
> > are VIRTUALLY UNUSED. Even 2m has no more than modest activity -
> > other than a few high-level repeaters, and an occasional simplex or
> > packet QSO, or some folks doing EME... NADA.
>
> You're like the guy living on a tiny island who ponders how small the
> world is. If you don't know of something, it can't exist.
>
> Dave K8MN

Not bad from a tar paper shack in West Virginia.

1175. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-27 05:12:40 UTC
From: K&#65533;HB <KAYZEROHANDSOMEBOY@ELECTRICSMOKE.NET>
Message-ID: <cfjI8.451$mz2.351@newsread2.prod.itd.earthlink.net>
Source record: 6249
Cross-posted to: rec.radio.cb,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.amateur.misc

"stewart" <horseshoe7@yahoo.com> wrote

> Why not open up 1.25M for a new NoCode Novice Class? At least then we
> could start getting families/friends/collegues involved with Amateur
> Radio. Otherwise, why not just let the public use these frequencies?
> They aren't being used for anything.

Four clubs to which I belong (W0EF, K0RT, W0YC, and W0TDX) use 1.25M for extensive digital and analog links for contesting/DX packet clusters, and remote receiver and crossband 2M/75CM repeater links. Additionally, several 1.25M repeater pairs are very popular in our area. I notice that there are at least a couple dozen 1.25M repeaters in San Diego county. And In case you missed it, Amateur Radio is in fact "public use" of these frequencies.

73, de Hans, K0HB
&#65533;&#65533;&#65533; SOC # 291 http://www.qsl.net/soc/

1176. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-27 09:50:54 UTC
From: Arf! Arf! <DoggieDaze@Liberalz.com>
Message-ID: <acsvi5$46c$0@pita.alt.net>
Source record: 6250
Cross-posted to: rec.radio.cb,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.amateur.misc

"K�HB" <KAYZEROHANDSOMEBOY@ELECTRICSMOKE.NET> wrote in message
news:cfjI8.451$mz2.351@newsread2.prod.itd.earthlink.net...
>
> "stewart" <horseshoe7@yahoo.com> wrote
>
> >
> > Why not open up 1.25M for a new NoCode Novice Class? At least then we
> > could start getting families/friends/collegues involved with Amateur
> > Radio. Otherwise, why not just let the public use these frequencies?
> > They aren't being used for anything.
> >
>
> Four clubs to which I belong (W0EF, K0RT, W0YC, and W0TDX) use 1.25M for
> extensive digital and analog links for contesting/DX packet clusters, and
> remote receiver and crossband 2M/75CM repeater links. Additionally,
several
> 1.25M repeater pairs are very popular in our area. I notice that there
are
> at least a couple dozen 1.25M repeaters in San Diego county. And In case
> you missed it, Amateur Radio is in fact "public use" of these frequencies.
>
> 73, de Hans, K0HB
> ��� SOC # 291 http://www.qsl.net/soc/

```
Myopia is one of Stewart's better qualities.
His seeing eye dog has been tryng to enliglhten him for years...
```

1177. Re: I-Link details?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-27 13:02:35 UTC
From: hamish@cloud.net.au
Message-ID: <3cf22e6b$0$15149$afc38c87@news.optusnet.com.au>
Source record: 6101

Jim Hale <halebopp@cox.net> wrote:
> Linux is shit when it comes to sound cards. Most Linux people
> don't even know a sound card exists yet.

You have no idea what you're talking about.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

1178. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-27 13:40:47 UTC
From: AB8MQ <kc8jbo@alt.net>
Message-ID: <actdg4$i8p$0@pita.alt.net>
Source record: 6102
Cross-posted to: rec.radio.cb,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.amateur.misc

"Dave Heil" <k8mn@earthlink.net> wrote in message
news:3CF1AE4B.6BB35C9B@earthlink.net...
> stewart wrote:
> >
> > "Jim Hampton" <aa2qa@frontiernet.net> wrote in message
news:<44da9d49d3dccaa147cb64ea92af10b5.80792@mygate.mailgate.org>...
> > > Stewart, let's cut the nonsense and I'll ask a serious question - why
> > > do you seem to believe that amateur radio stopped with spark gap in
the
> > > early 1900's?
> >
> > I don't - you misinterpreted the point of my post.
> >
> > What I'm saying is that Amateur Radio has slowly become less relevant
> > in the last 10 years, but the trend is accelerating. As this trend
> > continues, the ARS is losing it's PURPOSE... this is especially true
> > on the VHF/UHF bands, whose use has dwindled to the point that they
> > are VIRTUALLY UNUSED. Even 2m has no more than modest activity -
> > other than a few high-level repeaters, and an occasional simplex or
> > packet QSO, or some folks doing EME... NADA.
>
> You're like the guy living on a tiny island who ponders how small the
> world is. If you don't know of something, it can't exist.
>
> Dave K8MN

You are speaking from first hand experience, huh, ASSHOLE?

1179. Re: I-Link details?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-27 14:01:55 UTC
From: Paul Peterson <pp23@cox.net>
Message-ID: <n%qI8.91260$Md6.3146311@news1.east.cox.net>
Source record: 6103

<hamish@cloud.net.au> wrote
> Jim Hale <halebopp@cox.net> wrote:
> > Linux is shit when it comes to sound cards. Most Linux people
> > don't even know a sound card exists yet.
>
> You have no idea what you're talking about.

I agree with Jim. In comparing performance of software,
and ease of user interface, the windows software is much
more advanced. The Linux software is still at the hacker
level of sophistication. It may work, but is so devoid of
interface, to be silly.

To label a poster as having "no idea" and then failing to
offer even a shred of example software tools, is just this
side of hilarious. Are you a Linux soundcard demagogue,
or just a rabble-rouser?

1180. Re: Back up Power

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-27 15:55:57 UTC
From: post_to_usenet@hotmail.com
Message-ID: <b6b4e772.0205270755.64598c6a@posting.google.com>
Source record: 6104
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

"JB" <ac6tk@nospamcybertime.net> wrote in message news:<acr3ur$939$1@madmax.keyway.net>...

<snip>
> However, I don't see why anyone would want to use a stock type
> car battery unless they had a bunch of junk cars in the yard, and
> a low current drain accessory to run, like an old CB or 8-track
> stereo, because stock type low-maintenance or maintenance-free
> car batteries don't keep well in this kind of operation.
>
> Jim,ac6tk

Hi,

Maybe because they are very cheap? Here a new 12V 45 AH 'car' battery costs about 24 euros (~22 US$). A 12 V 7AH gel 'alarm' battery costs approx the same. A 12V 35AH gel type is >120 euros (>110 US$). Surely the gel type will be much more adapted to deep cycle conditions, but the price difference more than compensates for it. Of course, car batteries are much heavier, bulky and inconvenient to work with, but, if you have the place to put them, I think they are better.

I do not know the prices of marine / golf / etc batteries, but given the equation "price = K / popularity" (where K tends to large numbers) I think they must also be quite expensive.

Toni

1181. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-27 17:41:11 UTC
From: Dave Heil <k8mn@earthlink.net>
Message-ID: <3CF26FAF.C3287261@earthlink.net>
Source record: 6105
Cross-posted to: rec.radio.cb,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.amateur.misc

AB8MQ wrote:
>
> "Dave Heil" <k8mn@earthlink.net> wrote in message
> news:3CF1AE4B.6BB35C9B@earthlink.net...
> > stewart wrote:
> > >
> > > "Jim Hampton" <aa2qa@frontiernet.net> wrote in message
> news:<44da9d49d3dccaa147cb64ea92af10b5.80792@mygate.mailgate.org>...
> > > > Stewart, let's cut the nonsense and I'll ask a serious question - why
> > > > do you seem to believe that amateur radio stopped with spark gap in
> the
> > > > early 1900's?
> > >
> > > I don't - you misinterpreted the point of my post.
> > >
> > > What I'm saying is that Amateur Radio has slowly become less relevant
> > > in the last 10 years, but the trend is accelerating. As this trend
> > > continues, the ARS is losing it's PURPOSE... this is especially true
> > > on the VHF/UHF bands, whose use has dwindled to the point that they
> > > are VIRTUALLY UNUSED. Even 2m has no more than modest activity -
> > > other than a few high-level repeaters, and an occasional simplex or
> > > packet QSO, or some folks doing EME... NADA.
> >
> > You're like the guy living on a tiny island who ponders how small the
> > world is. If you don't know of something, it can't exist.
> >
> > Dave K8MN
>
> You are speaking from first hand experience, huh, ASSHOLE?

I don't know if you really have anything to say, Roger. You didn't even allow the death of your mother in mid-April (published in the Moundsville Echo) to slow your torrent of filth. If you'd like to continue those of your sociopathic rants about me or my wife, I'll be happy to speak with Chief Stenger about you once again (as I cautioned you when we met face-to-face at the March meeting of Marshall County ARES). As you know, he has seen the posts you've made to and about me and my wife in the past and he seemed well aware of you.

quite sincerely,

Dave Heil K8MN

1182. Re: Back up Power

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-27 18:41:33 UTC
From: Sylvan Butler <Znospam+noZs_0205@hpb13799Z.Zboi.hpZ.com.invalid>
Message-ID: <slrnaf4vh3.itt.Znospam+noZs_0205@hpb13799Z.Zboi.hpZ.com.invalid>
Source record: 6120
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

On Fri, 24 May 2002 19:59:27 -0700, Roy Lewallen <w7el@eznec.com> wrote:
> I've found that, for reasons that I don't understand, amateurs call all
> sealed lead-acid batteries "gel cells". All the sealed lead-acid

True.

> batteries I've seen, with the exception of cylindrical Gates cells, have
> liquid electrolyte. Sealed lead-acid batteries with gelled electrolyte
> do exist, but they're relatively rare. So without other information, I'd

Not at all rare.

The typical "maintenance free" lead acid is not sealed and will
spill in some positions, and they do vent under hard charging.

The true sealed lead-acid can be operated in any position (will not
leak) and does not vent unless severely abused (venting is a last
chance method to avoid a case rupture, similar to nicd/nimh).

I have only seen two technology types of sealed lead-acids. The
gelled electrolyte type is by far the most common. The other is the
starved electrolyte, typified by the Absorbed Glass Mat (AGM)
batteries like the Optima yellow or red top or the exide "6 pack".

The gelled cells are a fraction of the price of AGM cells. They are
found in alarm equipment, "portable jump start" power packs,
children's rechargable riding toys, emergency lighting, rechargable
lawn and garden equipment, consumer computer UPS systems, etc. In
other words, nearly everyplace which needs higher capacity than a
small nicd pack, and where the weight of lead-acid is tolerable.

The typical yeasu 12v/7ah/$20 "brick" is a gelled electrolyte, and
probably the single most common sealed lead acid battery in the US.

> assume that the Mendelsons "gel cells" have liquid electrolyte, not
> gelled.

I wouldn't. But $16 is a very good price for new 12v/17ah gelled...

sdb
--
| Sylvan Butler | Not speaking for Hewlett-Packard | sbutler-boi.hp.com |
| Watch out for my e-mail address. Thank UCE. ##### change ^ to @ ##### |
They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety. --Benjamin Franklin, 1759
Fight terrorism, arm the population!

1183. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-27 18:43:35 UTC
From: "Leland C. Scott" <no-spam@junk-mail.net>
Message-ID: <r7vl8.37347$jm.3728352@bin6.nnrp.aus1.giganews.com>
Source record: 6106
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"G. M. Alf" <gmalf.ears@verizon.net> wrote in message
news:g092fu8tvoqp63c6oa4ul74d6l35iu5t00@4ax.com...
> The one real live problem I've heard about on MURS (as far as
> non-certified radios) was with Ham operators using their 2m radios on
> MURS.
>
> The fox hunts will turn up some of their own people.

I hear this typical "garbage" from CBers all the time, Hams operating out of band. However where are all of those so called "Hams" operating out of band, and getting busted? I see far more CBers getting busted for freebanding, and running power. In fact several CBers have said they even heard me ID on the freeband using my Ham Callsign. Since I never operate there it's clear to me that somebody was bootlegging on HF using my call. Then to claim same instance as "proof positive" that Hams operate out of band, stupidly ID'ing themselves, does not persuade me in the least. Any further argument runs into the same problem, just because somebody hears a Ham callsign, does not imply it belongs to the person using it on the air. So until somebody can provide proof positive the accusation is basically BS.

The idea that Hams would limit themselves to 2 watts on five frequencies on MURS, compared with up to 1500 watts over 4 MHz on 2m, is so ridiculous as to not even be worthy of serious consideration.

--
Leland C. Scott
KC8LDO

Saw this on a Tee-shirt:

"I am a
bomb
technician
if you see me
running
try to keep up "

1184. Re: Back up Power

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-27 18:49:08 UTC
From: Sylvan Butler <Znospam+noZs_0205@hpb13799Z.Zboi.hpZ.com.invalid>
Message-ID: <slrnaf4vva.itt.Znospam+noZs_0205@hpb13799Z.Zboi.hpZ.com.invalid>
Source record: 6123
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

On Sat, 25 May 2002 14:47:11 -0000, Marc <marc_k@NoSpamreva.sixgirls.org> wrote:
> In rec.radio.amateur.equipment laborkei <laborkeiNOSPAM@hotmail.com> wrote:
>> Mendelsons had 12V 17AH batteries for $10.00
>> They have them on there website for $15.95.
>> http://www.meci.com/
>> I had talked to them at Dayton and they said they had a lot of these
>> batteries, and they are New.
>
> Don't even bother!!
> I WAS at Dayton, and those "new" batteries had not been charged for 4 YEARS(at least
> that was what I was told by a Mendelson employee).

Ah. That explains the low price. :(

> So new, means NOS, but with SLA batteries, if you don't charge them once in a while,
> they lose much of their capacity.

If sitting for four years, I'd expect them to be almost but not
quite useless because of extreme sulfation. A couple more years of
sitting and that would be the end of them. A year or two ago I
purchased a UPS "new in box" which had been sitting since 1994. It
contained four, 6v/4ah gell cells. Of those four batts, three of
them would not charge above a fraction of a volt. the fourth
charges to about 2.1v, with nearly 0Ah capacity.

I sure hope the Mendelson batts are better...

Of course you may be able to recover the sulfated batts, but I'm
skeptical. http://www.shaka.com/~kalepa/desulf.htm

sdb
--
| Sylvan Butler | Not speaking for Hewlett-Packard | sbutler-boi.hp.com |
| Watch out for my e-mail address. Thank UCE. ##### change ^ to @ ##### |
They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety. --Benjamin Franklin, 1759
Fight terrorism, arm the population!

1185. Re: Back up Power

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-27 19:53:44 UTC
From: Frank Dinger <gm0csz.kn6wh@ntlworld.com>
Message-ID: <29wl8.1373$2O2.149786@newsfep1-win.server.ntli.net>
Source record: 6107
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

"Toni" <post_to_usenet@hotmail.com> wrote in message
news:b6b4e772.0205270755.64598c6a@posting.google.com...
> "JB" <ac6tk@nospamcybertime.net> wrote in message
news:<acr3ur$939$1@madmax.keyway.net>...
>
> <snip>
> > However, I don't see why anyone would want to use a stock type
> > car battery unless they had a bunch of junk cars in the yard, and
> > a low current drain accessory to run, like an old CB or 8-track
> > stereo, because stock type low-maintenance or maintenance-free
> > car batteries don't keep well in this kind of operation.
> >
> > Jim,ac6tk
>
> Hi,
>
> Maybe because they are very cheap? Here a new 12V 45 AH 'car' battery
> costs about 24 euros (~22 US$). A 12 V 7AH gel 'alarm' battery costs
> approx the same. A 12V 35AH gel type is >120 euros (>110 US$). Surely
> the gel type will be much more adapted to deep cycle conditions, but
> the price difference more than compensates for it. Of course, car
> batteries are much heavier, bulky and inconvenient to work with, but,
> if you have the place to put them, I think they are better.
>
> I do not know the prices of marine / golf / etc batteries, but given
> the equation "price = K / popularity" (where K tends to large numbers)
> I think they must also be quite expensive.
>
> Toni

1186. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-27 20:38:49 UTC
From: "G. M. Alf" <gmalf.ears@verizon.net>
Message-ID: <jr55fug07uu8io8rng7778ua6lknlia88q@4ax.com>
Source record: 6108
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

On Mon, 27 May 2002 18:43:35 GMT, "Leland C. Scott"
<no-spam@junk-mail.net> wrote:

>
>"G. M. Alf" <gmalf.ears@verizon.net> wrote in message
news:g092fu8tvoqp63c6oa4ul74d6l35iu5t00@4ax.com...
>> The one real live problem I've heard about on MURS (as far as
>> non-certified radios) was with Ham operators using their 2m radios on
>> MURS.
>>
>> The fox hunts will turn up some of their own people.
>
>I hear this typical "garbage" from CBers all the time,
>Hams operating out of band.

I heard it from a Ham.

>So until somebody can provide proof positive the accusation
>is basically BS.

You'd have a hard time convincing the person who posted about the
situation.

>The idea that Hams would limit themselves to 2 watts on five frequencies
>on MURS, compared with up to 1500 watts over 4 MHz on 2m, is so
>ridiculous as to not even be worthy of serious consideration.

It would seem ridiculous to limit themselves to 2 watts on MURS, they
were running well in excess of 2 watts on MURS.

On with the fox-hunts.

Mike

1187. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-27 20:40:23 UTC
From: Phil Kane <Phil.Kane@na.shmavz.ka.pop>
Message-ID: <cuvyxnansvbet.gws6exd.pminews@netnews.attbi.com>
Source record: 6109
Cross-posted to: alt.radio.family,rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.cb

On 26 May 2002 18:10:55 -0700, stewart wrote:

>Yes - I think the "Boston Tea Party" analogy is a DAMN good one.

Do you really understand what the Boston Tea Party was all about
and who were the participants?

Hint - it had nothing to do with what we all learned in the 4th
grade about taxation and the rebelling against the King and had
everything to to with preserving the import monopoly that the
"patriots" had going from being competed with.

---
73 de K2ASP - Phil Kane

1188. Re: Back up Power

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-27 20:43:36 UTC
From: Frank Dinger <gm0csz.kn6wh@ntlworld.com>
Message-ID: <6Vwl8.1482$2O2.179989@newsfep1-win.server.ntli.net>
Source record: 6110
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

> Maybe because they are very cheap? Here a new 12V 45 AH 'car' battery
> costs about 24 euros (~22 US$). A 12 V 7AH gel 'alarm' battery costs
> approx the same. A 12V 35AH gel type is >120 euros (>110 US$). Surely
> the gel type will be much more adapted to deep cycle conditions, but
> the price difference more than compensates for it. Of course, car
> batteries are much heavier, bulky and inconvenient to work with, but,
> if you have the place to put them, I think they are better.
>
> I do not know the prices of marine / golf / etc batteries, but given
> the equation "price = K / popularity" (where K tends to large numbers)
> I think they must also be quite expensive.
=========
1) As Roy Llewallen commented in an earlier posting ,a Sealed Lead Acid (SLA) battery is not necessarily a Gel- type.

2) An SLA 12v-18Ah costs approx US$ 25.- (in the USA)
In the UK ,Mainline Surplus -Leicester sell SLA 12V- 18Ah ,make Kiel (New Old Stock) for GBP 12.50 incl VAT= Value Added Tax) equiv to approx US $ 19.-
I have quite a number of these in the shack and am quite happy with them.

For golfers in the UK : This battery is very suitable for an electric golf trolly. I recently replaced a Yuasa model: NPC15-12 , 12V-15Ah SLA which had been rather active for the past 3 years ,by the above make Kiel battery having identical dimensions . The old Yuasu battery has been retired to the shack where it still performs well be it on loads somewhat lower than a golf trolly motor .

3) The 'cheap' car batteries referred to in the above posting might not be the sealed type .In that case it would not be advisable to have them located in the shack , for safety reasons ....because of hydrogen/oxygen venting. Venting batteries with removable caps for water top-up must be located in a well ventilated area !!

Frank gm0csz.kn6wh@ntlworld.com

1189. Re: Off Topic Spam: Important information regarding your usenet service

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-27 22:14:13 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <VcyI8.8377$UT.569740@bgtnsc05-news.ops.worldnet.att.net>
Source record: 6111

"Tom Currie" <N4AOF@iglou.com> wrote in message
news:3CF0C03E.EDF1A028@iglou.com...
> Alan Larson wrote:
> >
> > I don't see how anything ATT broadband will do to their servers will
affect
> > my usenet service.
> >
> > Why did you spew this here?
> >
> > Alan
>
> Duh, why don't you read the message before bitching?

Why did you spam all the rest of us with this nonesense?
Note the Newsgroups: header in your posting.
The only postings I've seen are your spams.

Message-ID: <3CEEA47A.2869B500@iglou.com>
Date: Fri, 24 May 2002 16:37:14 -0400
From: Tom Currie <N4AOF@iglou.com>
X-Mailer: Mozilla 4.77 [en] (Windows NT 5.0; U)
X-Accept-Language: en
MIME-Version: 1.0
Newsgroups: rec.radio.amateur.digital.misc
To: abuse@attbi.net
CC: customer.support@broadband.att.com
Subject: Off Topic Spam: Important information regarding your usenet service
References: <YWwH8.12895$uh4.226@typhoon.mw.ipsvc.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
NNTP-Posting-Host: lou-ts5-27.iglou.com
X-Original-NNTP-Posting-Host: lou-ts5-27.iglou.com
X-Trace: news.iglou.com 1022272635 lou-ts5-27.iglou.com (24 May 2002
16:37:15 -0400)
Lines: 67
X-Original-NNTP-Posting-Host: 204.255.238.41
Path:
bgtnsc05-news.ops.worldnet.att.net!bgtnsc04-news.ops.worldnet.att.net!wnslaves3
!wnmasters2!wn1feed!worldnet.att.net!207.172.3.44!feed2.news.rcn.net!rcn!nntp.a
bs.net!uunet!dca.uu.net!news.iglou.com!not-for-mail
Xref: wnmasters2 rec.radio.amateur.digital.misc:35899
X-Received-Date: Fri, 24 May 2002 20:37:25 GMT
(bgtnsc05-news.ops.worldnet.att.net)

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1190. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-27 22:37:35 UTC
From: Phil Kane <Phil.Kane@na.shmavz.ka.pop>
Message-ID: <cuvyxnansvbet.gws8p0f.pminews@netnews.attbi.com>
Source record: 6112
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.cb

On Mon, 27 May 2002 02:29:22 GMT, Paul Peterson wrote:

>Not many people
>stay up all night to here a far away AM station like we did as kids.

We can thank the broadcast industry who found ways to drop in local
or regional AMs where the clear channel "holes" were and the
manufacvturers who now make AM broadcast transmitters that are much
more reliable and therefore do not need to go off the air on Sunday
nights for "maintenance".

>Radio is an appliance to Americans, not as much a hobby anymore.

It's our job as hams to make it a hobby again.

---
73 de K2ASP - Phil Kane

1191. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-27 23:01:15 UTC
From: AB8MQ <kc8jbo@alt.net>
Message-ID: <acuejfckk0@pita.alt.net>
Source record: 6113
Cross-posted to: rec.radio.cb,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.amateur.misc

"Dave Heil" <k8mn@earthlink.net> wrote in message
news:3CF26FAF.C3287261@earthlink.net...
> AB8MQ wrote:
> >
> > "Dave Heil" <k8mn@earthlink.net> wrote in message
> > news:3CF1AE4B.6BB35C9B@earthlink.net...
> > > stewart wrote:
> > > >
> > > > "Jim Hampton" <aa2qa@frontiernet.net> wrote in message
> > news:<44da9d49d3dccaa147cb64ea92af10b5.80792@mygate.mailgate.org>...
> > > > > Stewart, let's cut the nonsense and I'll ask a serious question -
why
> > > > > do you seem to believe that amateur radio stopped with spark gap
in
> > the
> > > > > early 1900's?
> > > >
> > > > I don't - you misinterpreted the point of my post.
> > > >
> > > > What I'm saying is that Amateur Radio has slowly become less
relevant
> > > > in the last 10 years, but the trend is accelerating. As this trend
> > > > continues, the ARS is losing it's PURPOSE... this is especially true
> > > > on the VHF/UHF bands, whose use has dwindled to the point that they
> > > > are VIRTUALLY UNUSED. Even 2m has no more than modest activity -
> > > > other than a few high-level repeaters, and an occasional simplex or
> > > > packet QSO, or some folks doing EME... NADA.
> > >
> > > You're like the guy living on a tiny island who ponders how small the
> > > world is. If you don't know of something, it can't exist.
> > >
> > > Dave K8MN
> >
> > You are speaking from first hand experience, huh, ASSHOLE?
>
> I don't know if you really have anything to say, Roger.

There's a whole WORLD of things you don't know, ASSHOLE. In fact by the
expression on your gorilla-like face, It'd be hard to believe that you know
anything.
Funny, the First amendment allows me to have the opinion that you are a
narrow-minded, stupid son of a bitch. See you engage in the very same
tactics you say I use with Jim here.

For instance, did you get touch with Carl Stevenson's local police, too?

From: "Carl R. Stevenson" <wa6vse@fast.net>
Subject: Re: Carl Steveson-Super Racist was: Morse causes amnesia
Date: 1998/04/14
Message-ID: <01bd6762$7860aee0$0100005a@wa6vse>#1/1
References: <352AB6F4.9D60189E@erols.com>
<1998040806005101.CAA22437@ladder01.news.aol.com> <352BF59A.31C4@clinet.fi>
<01bd65c7$27902fa0$0100005a@wa6vse> <3530C329.3B3A@clinet.fi>
<MPG.f9a90514be7d42a98999e@news.planet.net> <6gquog$5de@btc3.up.net>
<MPG.f9ad63be75f34ef98999f@news.planet.net>
<01bd664f$07a5d540$0100005a@wa6vse> <35321C78.4D63@clinet.fi>
<01bd66e6$4b14af80$0100005a@wa6vse> <3532A345.7D9@clinet.fi>
Organization: Consulting Engineer
Newsgroups: rec.radio.amateur.policy

-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

Dave Heil <k8mn@clinet.fi> wrote in article <3532A345.7D9@clinet.fi>...
> Carl R. Stevenson wrote:
>
> >
> > Gee, Dave ... I have no problem with that (it being there for
> > all to see) ... anyone with half a brain can see that it was
> > a comparison of pro-code attitudes to racist attitudes and not
> > a racist remark in itself.
> > (of course, that leaves you out as far as understanding is
> > concerned)
>
>
> I did not accuse you of being a racist. I have serious problems with
> the type of name-calling you resorted to, Carl. That's why I'm glad
> it's there to be seen. The crap you spewed forth demonstrates what kind
> of individual you are. The last line of your post above is typical
> "Carl".
> You refer to yourself as Libertarian but the freedom's you espouse seem
> only to extend to yourself. You deny them to others frequently.
>
> Dave OH2/K8MN
>

Dave,

I have never denied you any rights. I have only said I think
you're a stupid, ignorant, facist, asshole. You have every
right to your opinions and to voice them no matter how disgusting
they may be. I hope my postion is perfectly clear.

- --
Carl - wa6vse
wa6vse@fast.net
NCI #1052

Join No Code International!
Support the modernization of ham radio and
help to assure its survival into the 21st century!

-----BEGIN PGP SIGNATURE-----
Version: PGP for Personal Privacy 5.5.3

iQA/AwUBNTLtwZe+N6+q84HiEQJ8TACeLnw3lWRj65wIV0rYsZnzsOapEHsAoMiG
5aRypOlWaofb1qEqG39GQN9o
=RQ3v
-----END PGP SIGNATURE-----

Learn to use a killfile on my posts, dumbass.

> You [whining]

Yet you don't allow anything to try to stop you from censoring others. You can fucking say whatever the fuck you want, but you seem to want to censor others.

So just fuck off, you slobbering dullard. You have a history of causing trouble with people you disagree with as well, and I have some of those posts archived like the above one. Now you're stalking me? Bwhahahahahaha!!!!!!

> If you'd like to continue those of your sociopathic rants about me or my wife,

I can have opinions, Heil, you fucking asshole. And my opinion of you is that you are a fucking retard. Use a fucking post filer/killfile or just fuck off.

>I'll be happy to speak with Chief Stenger about you once again (as I cautioned
> you when we met face-to-face at the March meeting of Marshall County
> ARES).

Stalker boy, you go right ahead. I still have the freedom of speech, you neo-nazi asshole. I have evidence that the only reason you went to the ARES meeting is to try to stalk me, too, ASSHOLE. And it didn't work, you made yourself out to be a desperate whining ass, former government errand boy. And after the inquiry why the police is harassing me (and your harassment) will look funny down at the Prosecutor's Office.

> As you know, he has seen the posts you've made to and about me
> and my wife in the past and he seemed well aware of you.

But he hasn't seen you threats made to me by e-mail yet, but he will, ASSHOLE.

> quite sincerely,
>
> Dave Heil K8MN

Fuck off. Learn to killfile me or just shut the fuck up.

1192. Digital modes; software, connections/questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-27 23:42:46 UTC
From: wf3h@ptd.net
Message-ID: <3cf2c3ab.21275108@news.ptdprolog.net>
Source record: 6114

I'm using a rigblaster with a Toshiba laptop feeding an Icom 756 Pro II. Using Digipan, everything works fine on PSK31. I am looking for something with more versatility to copy AMTOR/RTTY, etc. I looked at UA9OSV's "trutty" program, but that does not key my rig even though digipan does (so the rigblaster is hooked up properly).

Anyone have any suggestions? Would like to stay away from PK232, and just focus on soundcard, and rigblaster.

Thanks all

Bob/WF3H

"This difference between liberalism and conservatism must not be obscured by the fact that in the United States it is still possible to defend individual liberty by defending long-established institutions. To the liberal they are valuable not mainly because they are long established or because they are American but because they correspond to the ideals which he cherishes."

F. A. Hayek in "Why I am not a Conservative"

1193. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-28 00:21:36 UTC
From: Jim Hampton <aa2qa@frontiernet.net>
Message-ID: <b50b7bac0bfcc7a4bb372bf8e097a033.80792@mygate.mailgate.org>
Source record: 6115
Cross-posted to: rec.radio.amateur.policy,rec.radio.cb,rec.radio.amateur.digital.misc,rec.radio.amateur.misc

I dunno, Paul. The thread started about how great MURS is. How is MURS more relevent than amateur radio? As far as your per-captia stats, you might have a point. U.S. colleges are graduating more and more foreign engineers and doctors than ever. You may have a valid point. I wouldn't be surprised to find the U.S. an also-ran 3rd world country in another 25 or 30 years. Everyone wants an MBA. Read Dilbert. It is one comic strip worth reading. Don't worry - Japan will design and build all the FRS, cell phones, stereos, and televisions you want. (oops, make that design. I forgot. The little dragon is building the stuff now - at least the stuff that China isn't.)

73 from Rochester, NY
Jim

"Paul Peterson" <pp23@cox.net> wrote in message
news:ZmhI8.90400$Md6.3028483@news1.east.cox.net
> "Paul Peterson" <pp23@cox.net> wrote
>
> People who died 10 years ago, are still listed as Hams.
> Don't believe the numbers.
>
> The other statistic tool you must know about, is per-Capita. That is,
> how many Hams per 100,000 Americans in age groups like
> 9-12, 13-16, 17-20, 21-30, 31-40, 41-50, 51-60, 61-70, 71-80?
>
> Have those gone up? No, they've gone down.

--
Posted via Mailgate.ORG Server - http://www.Mailgate.ORG

1194. Re: Digital modes; software, connections/questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-28 01:19:34 UTC
From: "Bob Lewis (AA4PB)" <rlewis@staffnet.com>
Message-ID: <uf5mq0n9761b79@corp.supernews.com>
Source record: 6116

Take a look at MixW2 - it does a number of modes including RTTY and it can control your PRO-II frequency and filter settings. MixW2 will receive Amtor and transmit Amtor FEC and can receive Pactor. To my knowledge there are no Windows based sound card programs that will transmit Amtor or Pactor ARQ modes (there is a DOS program around that will work with a true sound blaster sound card only).

1195. FT: Dell PIII Laptop

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-28 01:51:56 UTC
From: wampus@nc.rr.com
Message-ID: <3cf2e2ab.862070191@news-server.nc.rr.com>
Source record: 6117

I have recently upgraded my laptop and have a very nice Dell Latitude CPx to trade for a Japan Radio NRD-535D.

This laptop has a P-III 500MHz CPU, 192MB of RAM, an 11.2GB harddrive, CDRom, Floppy with external connector cable, Ethernet PCMCIA Card, 56Kb PCMCIA Modem card, 13.5" Color TFT Active Matrix Display, Dell Laptop case and two high capacity batteries (both of which are brand new). It comes with Microsoft Windows 2000 Professional w/SP2 installed, but an original Dell Win2KPro w/SP1 CD.

Will trade even for a JRC NRD-535D HF receiver in good cosmetic and working condition. Must have a serial number above 56000 and the original 535D features installed.

73s,

Chuck Yarbrough
Durham, NC

1196. Re: The cops investigate woman batterer Faggot Lee

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-28 02:24:53 UTC
From: AB8MQ <kc8jbo@alt.net>
Message-ID: <acur14$il9$0@pita.alt.net>
Source record: 6118
Cross-posted to: rec.radio.cb,rec.radio.amateur.digital.misc,rec.radio.amateur.misc,alt.radio.scanner.flame_fest

Woman beater "Stagger Lee" <SLee@houston-hunks.com> wrote in message
news:kc8jbo.is.a.whining.netcop@houston-hunks.com...
>
> On Mon, 27 May 2002 19:01:15 -0400, AB8MQ@alt.net wrote:
> :
> : Stalker boy, you go right ahead. I still have the freedom of speech, you
> : neo-nazi asshole. I have evidence that the only reason you went to the
ARES
> : meeting is to try to stalk me, too, ASSHOLE. And it didn't work, you
made
> : yourself out to be a desperate whining ass, former government errand
boy.
> : And after the inquiry why the police is harassing me (and your
harassment)
> : will look funny down at the Prosecutor's Office.
>
> Sooooo, let's see if I have this right: You're avoiding local ham club
> meetings and the local police are looking into your activities. Is
> that about right?

No, Dumbfuck, I am not avoiding anything. The local police aren't doing
anything,
all Stenger did was tell me to cool some of my posts to Heil. Too bad the
ACLU says that violated my rights to free speech.

> Why am I not surprised?

Been beating up your wife lately, woman-beater? When I'm talking to the
prosecutor, I'll let them know about your battering of your wife.

1197. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-28 03:01:54 UTC
From: Dan Martin <nospamdwrtin@idirect.com>
Message-ID: <uf5svdkud9r837@corp.supernews.com>
Source record: 6119
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

Well I have seen hams use out of band freqs, 151.055, 451.1875.... not just heard, but seen. Don't for a minute think that hams don't go out of bandm they do it all the time, for various "reasons". Threy don;t get busted, cuz they don;'t cause interference, they run open pl, and aren't running dirty amps.

de ve3lix
Dan

"Leland C. Scott" <no-spam@junk-mail.net> wrote in message news:r7vI8.37347$jm.3728352@bin6.nnrp.aus1.giganews.com...

"G. M. Alf" <gmalf.ears@verizon.net> wrote in message news:g092fu8tvoqp63c6oa4ul74d6l35iu5t00@4ax.com...
> The one real live problem I've heard about on MURS (as far as
> non-certified radios) was with Ham operators using their 2m radios on
> MURS.
>
> The fox hunts will turn up some of their own people.

I hear this typical "garbage" from CBers all the time, Hams operating out of band. However where are all of those so called "Hams" operating out of band, and getting busted? I see far more CBers getting busted for freebanding, and running power. In fact several CBers have said they even heard me ID on the freeband using my Ham Callsign. Since I never operate there it's clear to me that somebody was bootlegging on HF using my call. Then to claim same instance as "proof positive" that Hams operate out of band, stupidly ID'ing themselves, does not persuade me in the least. Any further argument runs into the same problem, just because somebody hears a Ham callsign, does not imply it belongs to the person using it on the air. So until somebody can provide proof positive the accusation is basically BS.

The idea that Hams would limit themselves to 2 watts on five frequencies on MURS, compared with up to 1500 watts over 4 MHz on 2m, is so ridiculous as to not even be worthy of serious consideration.

--
Leland C. Scott
KC8LDO

Saw this on a Tee-shirt:

"I am a
bomb
technician
if you see me

running
try to keep up "

1198. Re: Back up Power

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-28 05:23:07 UTC
From: Roy Lewallen <w7el@eznec.com>
Message-ID: <3CF3143B.5702CCB@eznec.com>
Source record: 6121
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

As usual, I've got a lot to learn. What I've seen overwhelmingly at flea markets, electronics stores, and places like EH Yost are Panasonic SLA batteries. These are of the absorbed electrolyte type, in which the liquid electrolyte is absorbed into the plates and separators. http://www.panasonic.com/industrial/battery/oem/images/pdf/slaover.pdf discribes these units. In second place for the number of batteries I've seen for sale are the small Yuasa SLA batteries. I couldn't find a description of the electrolyte system in a quick search of the web, but an old data sheet I have describes the system as "suspended electrolyte". I've assumed that these are also AGM type, but perhaps I'm wrong.

I couldn't find any reference to Yaesu batteries. Perhaps you mean Yuasa. But I couldn't find a 17 Ah battery among their offerings. Do you have the part number of this apparently very common battery? I'd like to look at a data sheet to learn more about it.

Roy Lewallen, W7EL

Sylvan Butler wrote:
>
> On Fri, 24 May 2002 19:59:27 -0700, Roy Lewallen <w7el@eznec.com> wrote:
> > I've found that, for reasons that I don't understand, amateurs call all
> > sealed lead-acid batteries "gel cells". All the sealed lead-acid
>
> True.
>
> > batteries I've seen, with the exception of cylindrical Gates cells, have
> > liquid electrolyte. Sealed lead-acid batteries with gelled electrolyte
> > do exist, but they're relatively rare. So without other information, I'd
>
> Not at all rare.
>
> The typical "maintenance free" lead acid is not sealed and will
> spill in some positions, and they do vent under hard charging.
>
> The true sealed lead-acid can be operated in any position (will not
> leak) and does not vent unless severely abused (venting is a last
> chance method to avoid a case rupture, similar to nicd/nimh).
>
> I have only seen two technology types of sealed lead-acids. The
> gelled electrolyte type is by far the most common. The other is the
> starved electrolyte, typified by the Absorbed Glass Mat (AGM)

> batteries like the Optima yellow or red top or the exide "6 pack".
>
> The gelled cells are a fraction of the price of AGM cells. They are
> found in alarm equipment, "portable jump start" power packs,
> children's rechargable riding toys, emergency lighting, rechargable
> lawn and garden equipment, consumer computer UPS systems, etc. In
> other words, nearly everyplace which needs higher capacity than a
> small nicd pack, and where the weight of lead-acid is tolerable.
>
> The typical yeasu 12v/7ah/$20 "brick" is a gelled electrolyte, and
> probably the single most common sealed lead acid battery in the US.
>
> > assume that the Mendelsons "gel cells" have liquid electrolyte, not
> > gelled.
>
> I wouldn't. But $16 is a very good price for new 12v/17ah gelled...
>
> sdb
> --
> | Sylvan Butler | Not speaking for Hewlett-Packard | sbutler-boi.hp.com |
> | Watch out for my e-mail address. Thank UCE. ##### change ^ to @ ##### |
> They that can give up essential liberty to obtain a little temporary
> safety deserve neither liberty nor safety. --Benjamin Franklin, 1759
> Fight terrorism, arm the population!

1199. Re: Back up Power

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-28 05:37:27 UTC
From: jfenn@lava.net
Message-ID: <acv52n$ek2$3@mochi.lava.net>
Source record: 6122

Well now that got all your battery gurus on deck, what type of
battery does my APC backup unit use. I suspect GELCELL but not
sure. How long do these hold up under very light use.
I backup my "RAMLINK" with one APC and the current drain
is less than .5 amp. It stays on 24/7. When first bought it
power outages of 5 or 6 hours didnt bother it at all. Lately
(this past year) is seems to loose the system more often for
no obvious reason. Does this type battery have to be replaced
often with such light useage??
Joe (aka kilroy)

****
* Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
****

1200. Re: I-Link details?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-28 09:30:08 UTC
From: JJ <ve1jot@hfx.eastlink.ca>
Message-ID: <3CF34E20.76B45E1C@hfx.eastlink.ca>
Source record: 6124

hamish@cloud.net.au wrote:
>
> Jim Hale <halebopp@cox.net> wrote:
> > Linux is shit when it comes to sound cards. Most Linux people
> > don't even know a sound card exists yet.

> Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>
ROTFL!! then why am I running soundmodem to decode packet, qsstv
for sstv on HF, watching DVD's with xine, listening to IRLP reflector
2 with Realplayer, using xmms to listen to local fire+emerg streams,
using aumix to set all my stuff on my Live!Drive, watching TV with
Xawtv, cutting VCD's with gcombust, playing UnrealTournament, Quake3,
frozen bubble, descent freespace, using spare hard drive as a P.V.R.,
all within Linux Mandrake 8.2?
If ignorance is bliss, you must be very, very, very, very happy indeed!
Cheers all,
JJ

1201. Re: I-Link details?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-28 09:30:55 UTC
From: JJ <ve1jot@hfx.eastlink.ca>
Message-ID: <3CF34E4F.E7CD775B@hfx.eastlink.ca>
Source record: 6125

hamish@cloud.net.au wrote:
>
> Jim Hale <halebopp@cox.net> wrote:
> > Linux is shit when it comes to sound cards. Most Linux people
> > don't even know a sound card exists yet.
>
> You have no idea what you're talking about.
>
> Hamish
> --
> Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>
Also, ALL IRLP systems HAVE to use linux from the ones I've seen!

1202. Re: I-Link details?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-28 10:46:18 UTC
From: Cathryn Mataga <cathryn@junglevision.com>
Message-ID: <3CF35FFA.4030504@junglevision.com>
Source record: 6126

Yeah, if you have trouble with sound cards, you either have
a weird card -- like an Mwave/Monster Sound or something, or you haven't
tried Linux recently. For the most part, sound support in Linux
is not that bad.

What sucks for Linux are winmodems, winprinters and a lot of the
webcams. A lot of this stuff won't work under XP either, it seems.

Me, I avoid the weird printers and modems and stuff. But, I have
found the webcam limitations a little annoying -- since a webcam
is exactly the kind of thing I'd like to run on a server.

The commands I use are...

sndconfig

which probes for the sound card and sets it up.

And

aumix

For setting the mixer values.

I use Linux Sound to run my live police scanner on the internet.

JJ wrote:
> hamish@cloud.net.au wrote:
>
>>Jim Hale <halebopp@cox.net> wrote:
>>
>>>Linux is shit when it comes to sound cards. Most Linux people
>>>don't even know a sound card exists yet.
>>
>
>>Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>
>
> ROTFL!! then why am I running soundmodem to decode packet, qsstv
> for sstv on HF, watching DVD's with xine, listening to IRLP reflector
> 2 with Realplayer, using xmms to listen to local fire+emerg streams,
> using aumix to set all my stuff on my Live!Drive, watching TV with
> Xawtv, cutting VCD's with gcombust, playing UnrealTournament, Quake3,
> frozen bubble, descent freespace, using spare hard drive as a P.V.R.,
> all within Linux Mandrake 8.2?
> If ignorance is bliss, you must be very, very, very, very happy indeed!
> Cheers all,
> JJ

1203. Re: I-Link details?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-28 12:50:19 UTC
From: hamish@cloud.net.au
Message-ID: <3cf37d0b$0$28005$afc38c87@news.optusnet.com.au>
Source record: 6127

Paul Peterson <pp23@cox.net> wrote:
> I agree with Jim. In comparing performance of software,
> and ease of user interface, the windows software is much
> more advanced. The Linux software is still at the hacker
> level of sophistication. It may work, but is so devoid of
> interface, to be silly.

Are you talking about general multimedia or digital modes?
I don't think the general media situation on linux is any
different to Windows; XMMS and similar programs offer almost
an identical interface to Winamp.

Digital modes - well, there's less to choose from, but there's
still PSK31, MFSK, and RTTY, all with quite decent interfaces.
Packet isn't much harder to setup than the AGWPE, which isn't
particularly easy IMHO.

> To label a poster as having "no idea" and then failing to
> offer even a shred of example software tools, is just this
> side of hilarious. Are you a Linux soundcard demagogue,
> or just a rabble-rouser?

I thought Jim's posting was so devoid of facts that I
didn't think it was worth the effort.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

1204. Re: Digital modes; software, connections/questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-28 13:22:17 UTC
From: Bert <bertmc@premier1.net>
Message-ID: <uf714c6tb8doa4@corp.supernews.com>
Source record: 6128

Hi Bob,
I am using MixW It is shareware but you can use it to see if you like it.
It has 17 modes to use, like psk, amtor, packet,etc. I used 3 other
programs before I found MixW. Do a search on Google for MixW. The latest
version is 2.06 I think you will like it. Works great for me, evan on the
builtin sound card. Good Luck,

Bert N7TKO Gold Bar, WA

<wf3h@ptd.net> wrote in message news:3cf2c3ab.21275108@news.ptdprolog.net...
> I'm using a rigblaster with a Toshiba laptop feeding an Icom 756 Pro
> II. Using Digipan, everything works fine on PSK31. I am looking for
> something with more versatility to copy AMTOR/RTTY, etc. I looked at
> UA9OSV's "trutty" program, but that does not key my rig even though
> digipan does (so the rigblaster is hooked up properly).
>
> Anyone have any suggestions? Would like to stay away from PK232, and
> just focus on soundcard, and rigblaster.
>
> Thanks all
>
> Bob/WF3H
>
>
> ---------------------
> "This difference between liberalism and conservatism
> must not be obscured by the fact that in the United
> States it is still possible to defend individual
> liberty by defending long-established institutions.
> To the liberal they are valuable not mainly because
> they are long established or because they are
> American but because they correspond to the
> ideals which he cherishes."
>
> F. A. Hayek in "Why I am not a Conservative"
>
>

1205. Re: Digital modes; software, connections/questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-28 15:04:55 UTC
From: Bert <bertmc@premier1.net>
Message-ID: <uf774p5v0tp905@corp.supernews.com>
Source record: 6129

Hi Bob,

Did not see this before. Scroll down about 20 messages to Jim Jaffe's
(MixW 2.06) message. It will take you to the site. Jim is the head man.
. Also down 15 messages is another one from Jim worth reading about things
coming.

Bert N7TKO
<wf3h@ptd.net> wrote in message news:3cf2c3ab.21275108@news.ptdprolog.net...
> I'm using a rigblaster with a Toshiba laptop feeding an Icom 756 Pro
> II. Using Digipan, everything works fine on PSK31. I am looking for
> something with more versatility to copy AMTOR/RTTY, etc. I looked at
> UA9OSV's "trutty" program, but that does not key my rig even though
> digipan does (so the rigblaster is hooked up properly).
>
> Anyone have any suggestions? Would like to stay away from PK232, and
> just focus on soundcard, and rigblaster.
>
> Thanks all
>
> Bob/WF3H
>
>
> ---------------------
> "This difference between liberalism and conservatism
> must not be obscured by the fact that in the United
> States it is still possible to defend individual
> liberty by defending long-established institutions.
> To the liberal they are valuable not mainly because
> they are long established or because they are
> American but because they correspond to the
> ideals which he cherishes."
>
> F. A. Hayek in "Why I am not a Conservative"
>
>

1206. Re: The cops investigate woman batterer Faggot Lee

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-28 17:35:18 UTC
From: sdspecialdeliveryjones@stalag13.com
Message-ID: <e1665b4c.0205280935.12ded53f@posting.google.com>
Source record: 6130
Cross-posted to: rec.radio.cb,rec.radio.amateur.digital.misc,rec.radio.amateur.misc,alt.radio.scanner.flame_fest

"AB8MQ" <kc8jbo@alt.net> wrote in message news:<acur14$il9$0@pita.alt.net>...
> Woman beater "Stagger Lee" <SLee@houston-hunks.com> wrote in message
> news:kc8jbo.is.a.whining.netcop@houston-hunks.com...
> >
> > On Mon, 27 May 2002 19:01:15 -0400, AB8MQ@alt.net wrote:
> > :
> > : Stalker boy, you go right ahead. I still have the freedom of speech, you
> > : neo-nazi asshole. I have evidence that the only reason you went to the
> ARES
> > : meeting is to try to stalk me, too, ASSHOLE. And it didn't work, you
> made
> > : yourself out to be a desperate whining ass, former government errand
> boy.
> > : And after the inquiry why the police is harassing me (and your
> harassment)
> > : will look funny down at the Prosecutor's Office.
> >
> > Sooooo, let's see if I have this right: You're avoiding local ham club
> > meetings and the local police are looking into your activities. Is
> > that about right?
>
> No, Dumbfuck, I am not avoiding anything. The local police aren't doing
> anything,
> all Stenger did was tell me to cool some of my posts to Heil. Too bad the
> ACLU says that violated my rights to free speech.
>
> > Why am I not surprised?
>
> Been beating up your wife lately, woman-beater? When I'm talking to the
> prosecutor, I'll let them know about your battering of your wife.

sweet.....real sweet.......sdj in jonestown, the last of the mohicans
is back quiet......

1207. Re: The cops investigate woman batterer Faggot Lee

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-28 18:13:35 UTC
From: AB8MQ <kc8jbo@alt.net>
Message-ID: <ad0i91$6qd$0@pita.alt.net>
Source record: 6132
Cross-posted to: rec.radio.cb,rec.radio.amateur.digital.misc,rec.radio.amateur.misc,alt.radio.scanner.flame_fest

"SD SpecialDelivery Jones" <sdspecialdeliveryjones@stalag13.com> wrote in
message news:e1665b4c.0205280935.12ded53f@posting.google.com...
> "AB8MQ" <kc8jbo@alt.net> wrote in message
news:<acur14$il9$0@pita.alt.net>...
> > Woman beater "Stagger Lee" <SLee@houston-hunks.com> wrote in message
> > news:kc8jbo.is.a.whining.netcop@houston-hunks.com...
> > >
> > > On Mon, 27 May 2002 19:01:15 -0400, AB8MQ@alt.net wrote:
> > > :
> > > : Stalker boy, you go right ahead. I still have the freedom of speech,
you
> > > : neo-nazi asshole. I have evidence that the only reason you went to
the
> > ARES
> > > : meeting is to try to stalk me, too, ASSHOLE. And it didn't work, you
> > made
> > > : yourself out to be a desperate whining ass, former government errand
> > boy.
> > > : And after the inquiry why the police is harassing me (and your
> > harassment)
> > > : will look funny down at the Prosecutor's Office.
> > >
> > > Sooooo, let's see if I have this right: You're avoiding local ham
club
> > > meetings and the local police are looking into your activities. Is
> > > that about right?
> >
> > No, Dumbfuck, I am not avoiding anything. The local police aren't doing
> > anything,
> > all Stenger did was tell me to cool some of my posts to Heil. Too bad
the
> > ACLU says that violated my rights to free speech.
> >
> > > Why am I not surprised?
> >
> > Been beating up your wife lately, woman-beater? When I'm talking to the
> > prosecutor, I'll let them know about your battering of your wife.
>
> sweet.....real sweet.......sdj in jonestown, the last of the mohicans
> is back quiet......

Into the CB are you?

1208. Re: Back up Power

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-28 18:14:32 UTC
From: nm5k@wt.net
Message-ID: <25eb70d7.0205281014.45883060@posting.google.com>
Source record: 6131
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

mcalhoun@ksu.edu (Myron A Calhoun) wrote in message news:<acs79p$bdk@unix1.cc.ksu.edu>...
> >Maintenance Free car batteries often use a calcium additive that reduces
> >the electrolyte loss and allows a greater margin for overcharge. This
> >....[snip]....
> >However, I don't see why anyone would want to use a stock type
> >car battery unless they had a bunch of junk cars in the yard, and
> >a low current drain accessory to run, like an old CB or 8-track
> >stereo, because stock type low-maintenance or maintenance-free
> >car batteries don't keep well in this kind of operation.
>
> That doesn't match my experience.
>
> I've powered an 100-watt HF transceiver, a 25-watt VHF transceiver, and
> an AM/FM receiver (for easy listening), plus occasionally even the lights
> (when the mains are off) in my shack for over 25 years using stock lead-
> acid batteries from my local discount store. They last about as long
> (3-5 years) in my "shack" as they do in my automobiles.
>
> --Myron.

I've been using them for nearly 15 years here and no problems. Car batteries hold up fine as long as you don't overcharge them, don't let them discharge too far, and keep the water up in them. But I do prefer a marine deep cycle if I had my choice as their design suits radio use better. But a car battery will work just fine. I'm running a 706 on one right now. I use a fully automatic charger to keep the charge up, but a trickle charge will work fine as long as you remember to unhook it when you have a full charge. Heavily discharging a car battery will greatly shorten it's life and capacity. All long as you avoid that, you won't have much trouble. A deep cycle can handle heavy discharges better, but even with those it's best not to heavily discharge them. I never heavily discharge any of those lead acid batteries on purpose. Sometimes it'll happen though out portable etc. If I buy a new battery just for radio use, I get the big marine deep cycles. MK

1209. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-28 18:52:25 UTC
From: "Joe Bramblett, KD5NRH" <kd5nrh-r.r.a.p@kd5nrh.net>
Message-ID: <4C09A28D6EEF1EE5.87618B62942AE06F.546F913254A829AC@lp.airnews.net>
Source record: 6133
Cross-posted to: rec.radio.cb,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.amateur.misc

On Mon, 27 May 2002 02:29:22 GMT, "Paul Peterson" <pp23@cox.net>
wrote:

>All those Hams who could build a radio, are dead and gone.

Well, then I wish you'd tell me what I've been building since I passed
General. They're not exactly state-of-the-art, and are mostly
rockbound, but they make beeps come out of a receiver when I press the
key.

What could they be? Or am I dead and just haven't noticed?

Joe Bramblett, KD5NRH
kd5nrh@kd5nrh.net
http://www.kd5nrh.net

1210. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-28 22:11:31 UTC
From: Paul Peterson <pp23@cox.net>
Message-ID: <ngTI8.1420$ib4.110550@news1.east.cox.net>
Source record: 6134
Cross-posted to: rec.radio.cb,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.amateur.misc

"Joe Bramblett, KD5NRH" <kd5nrh-r.r.a.p@kd5nrh.net> wrote
>
> >All those Hams who could build a radio, are dead and gone.
>
> Well, then I wish you'd tell me what I've been building since I passed
> General. They're not exactly state-of-the-art, and are mostly
> rockbound, but they make beeps come out of a receiver when I press the
> key.
>
> What could they be? Or am I dead and just haven't noticed?

Typical response to one line out of context.

When you can debate with intelligence, let us know, and
we can then have a discussion.

1211. Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 00:16:40 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0205281616.4a5ccf0@posting.google.com>
Source record: 6135
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

Like any of the classic urban legands - LSD tattoos, Kidney theft,
Alligators in the sewers - the GMRS/FRS/MURS high-power amplifier myth
just keeps making the rounds...

http://www.urbanlegends.com/

The myth - spread by hams having a strong "radio cop" slant - has
absolutely no basis in fact. The motivation for spreading the rumor
is somewhat complex - but, the main motivation appears be to maintain
some kind of "superiority complex" these hams harbor over "CB users".
A secondary motivation seems to be to stop the growth of these
wildly-popular radio services - as ham VHF/UHF usage has continued to
decline in recent years, these services are rapidly growing in
popularity.

There has never been a reported violation involving amplifiers on any
of these VHF/UHF frequencies; and, the fact is, there is simply no
real motivation for the average person to use amplifiers on these
frequencies.

THE BASIS FOR THE LEGEND:

Illegal amplifier use on 11m CB frequencies has been an ongoing
problem for many years. However, the dynamics of radio wave
propagation on HF CB vs. VHF MURS or UHF FRS/GMRS are quite different.
Sky wave, or "skip" propagation is commonplace on HF frequencies. To
take advantage of this propagation requires running more than the
legally-allowed 4W output allowed on 11m CB... as a result, many
truckers(and other citizens) have resorted to using illegal amplifiers
to raise the output of their radio stations to outrageosly-high
values; 500, 1000, 1500, even 2000 Watt amplifier use is commonplace -
allowing these individuals to communicate great distances(sometimes
1,000s of miles when the "skip is in"). A side result of this
"culture", has been that these individuals resort to a kind of
"entertainment" by jamming smaller-powered stations ("squashing") when
the "skip is out".

However, on VHF/UHF frequencies, greater than Line of Sight(LOS)
propagation is a fairly rare occurrance - so there is no initial
motivation for an average individual to run a high-powered amplifier
on these frequencies.

The fact that there has never been any direct proof of individuals
running amplifiers on these frquencies, seems to be of no consequence
to the professors of this urban legend. They will come up with all

kinds of contorted reasons why "The end is near", and "widespread amplifier use on these frequencies is just a matter of time". Of course, these are the same arguments these individuals have been making for YEARS, and still - as there are no alligators in the sewers, there are no high-powered amplifiers on GMRS/FRS/MURS.

Stewart Teaze - N0MHS

http://groups.yahoo.com/group/MURS-OPEN

1212. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 00:34:49 UTC
From: Jack Thorpe <jthorpe1234@my-deja.com>
Message-ID: <JmVI8.106$G81.62274@dca1-nnrp2.news.algx.net>
Source record: 6136
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"stewart" <horseshoe7@yahoo.com> wrote in message
news:5f4fe4c2.0205240958.50295699@posting.google.com...
> "Arf! Arf!" <DoggieDaze@Liberalz.com> wrote in message
news:<ackekk$dq5$0@pita.alt.net>...
>
> This is the same old argument that we've been hearing for years... FRS
> will become just like 11m(with illegal amplifiers), or MURS will
> become just like 11m... of course it has been proved completely
> wrong. The reason that folks on 11m went to amplifiers was because it
> actually helps them increase their communications range - the fact
> that they interfere with others when the skip is out is simply a
> side-effect. With no skip, there is no incentive to go with
> exceedingly higher power in the first place, because it serves
> virtually no useful purpose on VHF/UHF.
>

So you're saying that doing 100 watts on VHF isn't going to help much over 2
watts? What pipe are you smoking?

1213. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 00:42:54 UTC
From: "Leland C. Scott" <no-spam@junk-mail.net>
Message-ID: <iuVI8.53037$%o.5248933@bin3.nnrp.aus1.giganews.com>
Source record: 6137
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"G. M. Alf" <gmalf.ears@verizon.net> wrote in message
news:jr55fug07uu8io8rng7778ua6lknlia88q@4ax.com...
> On Mon, 27 May 2002 18:43:35 GMT, "Leland C. Scott"
> <no-spam@junk-mail.net> wrote:
>
> >
> >"G. M. Alf" <gmalf.ears@verizon.net> wrote in message
news:g092fu8tvoqp63c6oa4ul74d6l35iu5t00@4ax.com...
> >> The one real live problem I've heard about on MURS (as far as
> >> non-certified radios) was with Ham operators using their 2m radios on
> >> MURS.
> >>
> >> The fox hunts will turn up some of their own people.
> >
> >I hear this typical "garbage" from CBers all the time,
> >Hams operating out of band.
>
> I heard it from a Ham.

He was jerking your chain and you fell for it.

>
> >So until somebody can provide proof positive the accusation
> >is basically BS.
>
> You'd have a hard time convincing the person who posted about the
> situation.
>
> >The idea that Hams would limit themselves to 2 watts on five frequencies
> >on MURS, compared with up to 1500 watts over 4 MHz on 2m, is so
> >ridiculous as to not even be worthy of serious consideration.
>
> It would seem ridiculous to limit themselves to 2 watts on MURS, they
> were running well in excess of 2 watts on MURS.

I've been monitoring all 5 MURS frequencies for some time now mobile. All I have ever heard is the typical business junk and fast food drive through order windows with just one single exception. I hear low power 1.2KBS FSK packet activity on 151.880 MHz around the Square Lake and Interstate 75 junction in the city of Troy Michigain. Once you get more that a mile or two from that area the signal drops from a S9+20 to almost nothing. A high power signal this is not. And this is in a metro area of several million people with a good percentage of active Hams. So if what you say is true then I should have picked up more that one lousy low power packet station in the last year I have been monitoring, particulary given the size of the Detroit area.

--
Leland C. Scott
KC8LDO

Saw this on a Tee-shirt:

"I am a
bomb
technician
if you see me
running
try to keep up "

1214. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 00:51:43 UTC
From: "Joe Bramblett, KD5NRH" <kd5nrh-r.r.a.p@kd5nrh.net>
Message-ID: <2A4049EF666BA123.F2A1B9B0EDB3F2FF.15BC7BA46DAFADF4@lp.airnews.net>
Source record: 6140
Cross-posted to: rec.radio.cb,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.amateur.misc

On Tue, 28 May 2002 22:11:31 GMT, "Paul Peterson" <pp23@cox.net>
wrote:

>"Joe Bramblett, KD5NRH" <kd5nrh-r.r.a.p@kd5nrh.net> wrote
>>
>> >All those Hams who could build a radio, are dead and gone.
>>
>> Well, then I wish you'd tell me what I've been building since I passed
>> General. They're not exactly state-of-the-art, and are mostly
>> rockbound, but they make beeps come out of a receiver when I press the
>> key.
>>
>> What could they be? Or am I dead and just haven't noticed?
>
>Typical response to one line out of context.

Typical response to a comment for which no response can support your
position.

>When you can debate with intelligence, let us know, and
>we can then have a discussion.

Since your intelligence is becoming more and more debatable, there's
no need.
Joe Bramblett, KD5NRH
kd5nrh@kd5nrh.net
http://www.kd5nrh.net

1215. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 00:55:09 UTC
From: "Leland C. Scott" <no-spam@junk-mail.net>
Message-ID: <NFVI8.48797$jm.5088882@bin6.nnrp.aus1.giganews.com>
Source record: 6138
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"Dan Martin" <nospamdwrtin@idirect.com> wrote in message
news:uf5svdkud9r837@corp.supernews.com...
> Well I have seen hams use out of band freqs, 151.055, 451.1875.... not
> just heard, but seen. Don't for a minute think that hams don't go out of
> bandm they do it all the time, for various "reasons".

And some of them may in fact be legitimate depending on the Ham. Some do have license privileges to transmit on other than the Ham Bands. In one case I remember seeing a Royal Oak city cop, in full uniform with side arm, sitting at a table in a small restaurant on Woodward Avenue with a very plainly obvious Yeasu HT. His heavy duty Motorola radio was nowhere to be seen. Was he a Ham? I don't know because I didn't ask, and I didn't see him making a transmissions with it while I was there to check for a callsign.

--
Leland C. Scott
KC8LDO

Saw this on a Tee-shirt:

"I am a
bomb
technician
if you see me
running
try to keep up "

1216. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 00:58:37 UTC
From: 'Doc <w5lz@icok.net>
Message-ID: <3CF427BB.5B5CEC16@icok.net>
Source record: 6139
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb

Stew,
So far, you're the only one spreading these rumors, then
'debunking' them. A lot like the 'fire-bugs' who start a
fire, then report it to be a 'hero'. You need help, boy...
'Doc

1217. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 01:02:23 UTC
From: 'Doc <w5lz@icok.net>
Message-ID: <3CF4289D.6D539A11@icok.net>
Source record: 6141
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

stewart,
Sorry, forgot to add this to the preceding post.
Your license proposal is a REAL stupid idea. Some
how, it 'fits' you.
'Doc

1218. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 01:17:25 UTC
From: "Leland C. Scott" <no-spam@junk-mail.net>
Message-ID: <F_VI8.53363$%o.5288192@bin3.nnrp.aus1.giganews.com>
Source record: 6142
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"horseshoe7" <horseshoe7@yahoo.com> wrote in message
news:u6CH8.43700$db7.1534281@news2.west.cox.net...
>
> So please, do try to feed me a bunch of happy horsecrap about using amps on
> VHF/UHF - it is VIRTUALLY USELESS.

It is not "VIRTUALLY USELESS". For operating well beyond the LOS for two stations it would be true most of the time. However for two stations within LOS of each other it is not. One of the factors is the about of ground clutter between them, and how much of the RF power is either reflected off in to space or absorbed. The only other way to beat path loss, while using the same rigs, other than antenna gain, is to boost TX power, thus the market for V/UHF amplifiers. Think about it the next time your cell phone will not connect while inside of the big department store or a customer's factory location etc.

--
Leland C. Scott
KC8LDO

Saw this on a Tee-shirt:

"I am a
bomb
technician
if you see me
running
try to keep up "

1219. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 01:22:55 UTC
From: wa8ulx@aol.com
Message-ID: <20020528212255.01666.00001715@mb-fc.aol.com>
Source record: 6143

>However, on VHF/UHF frequencies, greater than Line of Sight(LOS)
>propagation is a fairly rare occurrance - so there is no initial
>motivation for an average individual to run a high-powered amplifier
>on these frequencies.
>

It appears you may need a little Education on VHF and UHF Propagation. Its apparent thatyou have no Idea what you are talking about.

1220. HELP programming Johnson Challenger VHF...

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 02:46:09 UTC
From: spotcheck01@yahoo.com
Message-ID: <45cc179a.0205281846.45675243@posting.google.com>
Source record: 6144

I have a Johnson "Challenger Plus 242 7166", a VHF business band mobile, that I got from a ham friend who owns a radio shop. To make a long story short, he programmed the radio, dropping the VFO for use on 2 meters. I've since moved, and am looking for schematics for a programming cable and also programming software for this rig, as I'd like to use it in the shack for packet.

If anyone has any info on this thing, please post here and/or e-mail me directly. Any help appreciated!
73,
Doug, K4EK

1221. Re: The cops investigate woman batterer Faggot Lee

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 02:58:10 UTC
From: Arf! Arf! <DoggieDaze@Liberalz.com>
Message-ID: <ad1g28$kq5$0@pita.alt.net>
Source record: 6145
Cross-posted to: rec.radio.cb,rec.radio.amateur.digital.misc,rec.radio.amateur.misc,alt.radio.scanner.flame_fest

"AB8MQ" <kc8jbo@alt.net> wrote in message news:acur14$il9$0@pita.alt.net...
> Woman beater "Stagger Lee" <SLee@houston-hunks.com> wrote in message
> news:kc8jbo.is.a.whining.netcop@houston-hunks.com...
> >
> > On Mon, 27 May 2002 19:01:15 -0400, AB8MQ@alt.net wrote:
> > :
> > : Stalker boy, you go right ahead. I still have the freedom of speech,
you
> > : neo-nazi asshole. I have evidence that the only reason you went to the
> ARES
> > : meeting is to try to stalk me, too, ASSHOLE. And it didn't work, you
> made
> > : yourself out to be a desperate whining ass, former government errand
> boy.
> > : And after the inquiry why the police is harassing me (and your
> harassment)
> > : will look funny down at the Prosecutor's Office.
> >
> > Sooooo, let's see if I have this right: You're avoiding local ham club
> > meetings and the local police are looking into your activities. Is
> > that about right?
>
> No, Dumbfuck, I am not avoiding anything. The local police aren't doing
> anything,
> all Stenger did was tell me to cool some of my posts to Heil. Too bad the
> ACLU says that violated my rights to free speech.
>
> > Why am I not surprised?
>
> Been beating up your wife lately, woman-beater? When I'm talking to the
> prosecutor, I'll let them know about your battering of your wife.

And why would the Prosecutor want to talk to you, Roger? To tell you what a
stand-up citizen you are? NOT!
And why would you contact the ACLU? Of course you didn't. You are lying
again.
Keep it up, Rog. Maybe you and AMP have more in common than was originally
thought.

1222. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 03:20:32 UTC
From: Jim Hampton <aa2qa@frontiernet.net>
Message-ID: <faf2118571a2a9bddafcb1abbc0e2be6.80792@mygate.mailgate.org>
Source record: 6146
Cross-posted to: rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

Good grief, Stewart. One begins to wonder exactly what you are trying to promote. I've run phone patches from Guam to Webster, NY, running only 15 watts! I've gotten into a cw net thousands of miles away - running MILLIWATTS. Power is needed in VHF/UHF for some of the more exotic modes. Meteor trails, moonbounce, some scatter work ... heck, with my 6 double a alkalines, I can open repeaters close to 100 miles away (well, one that is high - and that is when I'm up on the 23rd floor of an apartment complex, but you get the idea). Problems happen when unknowlegable folks apply the golden screwdriver. I've seen posts which state you only have to turn a pot to make your FRS radio 'louder'. I doubt going into deviation and descriminators would help as it is likely over that user's head. Believe me, I've had a lot of fun back in the early 70s with CB. The urban legends usually circulate amongst those who don't know enough technology to know when something is simply not true. I saw a post perhaps not a week ago on a board from someone looking for a mod for a radio. Another guy posted a link to a website with the mod. Sure enough, TWO DAYS LATER, the first guy posts again with the subject 'HELP'. Seems he let the smoke out of the components. Seems the radio is stuck on 28.500, won't transmit, and squeals when the audio gain is turned up. You seem to think the amateurs are putting people down. The problem is that some folks are being led into things that they know nothing about - and it shows when some 27 MHz signals are 50 KHz wide. Unless you are working moonbounce, a 3 dB signal gain or loss won't usually amount to anything - yet people mod their rigs to try and get that 3 dB extra, which is usually spread where they don't want it. My guess is that the majority of amateurs are running 150 watts or less. The large majority. And working stations worldwide every day. Why do you think one necessarily needs a linear? Sure, the big gun DXCC guys run 'em (often with a mentality that is similar to yours), but most don't honestly need 'em. Besides, going from a ground mounted vertical to a 3 element beam up 60 feet will often gain you as much or more than increasing from 100 to 1000 watts and cost less.

73 from Rochester, NY
Jim

"stewart" <horseshoe7@yahoo.com> wrote in message
news:5f4fe4c2.0205281616.4a5ccf0@posting.google.com

> Like any of the classic urban legands - LSD tattoos, Kidney theft,
> Alligators in the sewers - the GMRS/FRS/MURS high-power amplifier myth
> just keeps making the rounds...
>
> http://www.urbanlegends.com/

>
> The myth - spread by hams having a strong "radio cop" slant - has
> absolutely no basis in fact. The motivation for spreading the rumor
> is somewhat complex - but, the main motivation appears be to maintain
> some kind of "superiority complex" these hams harbor over "CB users".
> A secondary motivation seems to be to stop the growth of these
> wildly-popular radio services - as ham VHF/UHF usage has continued to
> decline in recent years, these services are rapidly growing in
> popularity.
> Stewart Teaze - N0MHS
>
> http://groups.yahoo.com/group/MURS-OPEN

--
Posted via Mailgate.ORG Server - http://www.Mailgate.ORG

1223. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 04:32:43 UTC
From: "G. M. Alf" <gmalf.ears@verizon.net>
Message-ID: <utl8fuou71v39mu2tvd00u0hr7h89dmp1r@4ax.com>
Source record: 6147
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

On Wed, 29 May 2002 00:42:54 GMT, "Leland C. Scott"
<no-spam@junk-mail.net> wrote:

>> >I hear this typical "garbage" from CBers all the time,
>> >Hams operating out of band.
>>
>> I heard it from a Ham.
>
>He was jerking your chain and you fell for it.

I know the fellow. He wasn't jerking anyone's chain. He was a bit
upset by their arrogance, not really caring if anyone found out who
they were.

>So if what you say is true then I should have picked up more that
>one lousy low power packet station in the last year I have been
>monitoring, particulary given the size of the Detroit area.

Sure, if VHF had skip. I have not heard any high powered MURS
stations anywhere between Everett and Seattle WA.

If you'd like to chat with your high powered buddies on MURS you might
take a little trip to Billerica, MA. Sounds like it would be an easy
fox hunt, well, more like an elephant hunt.

Mike

1224. Re: Licensing. . . We buy at Wal mart, we don't need no stinkin lincense!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 06:09:19 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0205282209.1e041624@posting.google.com>
Source record: 6148
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

toomanyradios@aol.com (TooManyRadios) wrote in message
news:<20020528113149.01543.00000345@mb-dh.aol.com>...
> In article <3CF3286A.7722B8EF@swbell.net>, Wesley Horton <whorton@swbell.net>
> writes:
>
> >Oh, boy, I have this terrible feeling that GMRS is going to turn into
> >another CB fiasco.
>
> "Turn into???" It already has!!!

Isn't it just TERRIBLE! People are starting to communicate all OVER
the place. We can't have THAT now, can we? Better start a rumour on
the Internet, right away! We need to get this evil GMRS/FRS thing
BANNED!!

NOW - THE REAL REASON FOR THESE SMOKESCREENS:

Having failed in their attempts to assert the URBAN MYTH that
high-powered AMPS are being used on MURS/GMRS/FRS, these ham "Internet
Lobbyists" are now trying this NEW TACTIC to divert attention from the
fact that the ham VHF/UHF bands are VIRTUALLY UNUSED - and that
FRS/GMRS/MURS are runaway success stories in public communications.

PSSSTTT!!! Don't look now - but the ham 1.25M band has FALLEN
SILENT... go ahead, scan it for activity sometime - THERE ISN'T ANY!
... and sales of radios for the 222Mhz band have all but dried up.

... what to do? WHAT TO DO?! Let's start another rumour - there are
CHILD MOLESTERS on FRS!! That's it! We need to BAN FRS, because the
Catholic Priest Radio Club has infiltrated FRS with GMRS bubble-pack
radios!

Stewart - N0MHS

1225. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 06:16:32 UTC
From: lucifer@eternal-flames.gov
Message-ID: <3cf471e5.2631576@news.btinternet.com>
Source record: 6149
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

On 28 May 2002 17:16:40 -0700, horseshoe7@yahoo.com (stewart) wrote:

>The motivation for spreading the rumor
>is somewhat complex - but, the main motivation appears be to maintain
>some kind of "superiority complex" these hams harbor over "CB users".

Not that difficult.... The average termite can justly feel superior
over a cb-er. :-)

1226. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 08:20:44 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0205290020.71d2e2f@posting.google.com>
Source record: 6150
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

'Doc <w5lz@icok.net> wrote in message news:<3CF4289D.6D539A11@icok.net>...
> stewart,
> Sorry, forgot to add this to the preceding post.
> Your license proposal is a REAL stupid idea. Some
> how, it 'fits' you.

Just like the CW code speed reduction idea, eh?

As I recall, you LOST that one BIG TIME... and you'll LOSE this one
eventually, too.

Yes - eventually the ARRL and the FCC will see the obvious - it is
only a matter of time. You can try to slow down progress - but
EVENTUALLY it will catch up to you and pass you by.

Tell me - why do you do it? Why do you fight progress? Go back and
think about all the arguments you made fighting the code speed
reduction - they are the same ones you'll make against opening up
1.25M to a new Novice Class. It's been quite a long time now since
restructuring, and NONE of the bad and evil things you predicted have
come true. Why are you so NEGATIVE? Don't you have ANY faith in your
fellow Americans?

> 'Doc

Stewart - N0MHS

1227. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 09:01:49 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0205290101.79aac6bf@posting.google.com>
Source record: 6051
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb

'Doc <w5lz@icok.net> wrote in message news:<3CF427BB.5B5CEC16@icok.net>...
> Stew,
> So far, you're the only one spreading these rumors, then
> 'debunking' them. A lot like the 'fire-bugs' who start a
> fire, then report it to be a 'hero'. You need help, boy...

I think you need better research... here I did some, myself:

Doc said on 5/3/2000:

As the 'old' saying goes, "If you can't do
the time, don't do the crime." ('Baretta' had it right
as far as I'm concerned).
'Doc/W5LZ (ex: AA5AN)

Nice 'hero' model, 'Doc. Maybe you need a new role model. BTW, I
think Baretta's 'new' saying goes something like; "If you can't do the
time, get a good lawyer."

Stewart - N0MHS

1228. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 09:57:38 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0205290157.577b128e@posting.google.com>
Source record: 6052
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"Leland C. Scott" <no-spam@junk-mail.net> wrote in message news:<F
VI8.53363$%o.5288192@bin3.nnrp.aus1.giganews.com>...
> "horseshoe7" <horseshoe7@yahoo.com> wrote in message
> news:u6CH8.43700$db7.1534281@news2.west.cox.net...
> >
> > So please, do try to feed me a bunch of happy horsecrap about using
> amps on
> > VHF/UHF - it is VIRTUALLY USELESS.
>
> It is not "VIRTUALLY USELESS". For operating well beyond the LOS for two
> stations it would be true most of the time. However for two stations
> within LOS of each other it is not. One of the factors is the about of
> ground clutter between them, and how much of the RF power is either
> reflected off in to space or absorbed. The only other way to beat path
> loss, while using the same rigs, other than antenna gain, is to boost TX
> power, thus the market for V/UHF amplifiers. Think about it the next
> time your cell phone will not connect while inside of the big department
> store or a customer's factory location etc.

The discussion was really about "high-powered amps"; it is VITUALLY
USELESS to use high-powered amplifiers(>75W) in the context of LOS
MURS. Rather than restating the whole premise in each and every post
- I've posted the entire premise in another thread... the point is -
people simply haven't been using these amps on UHF GMRS/FRS or VHF
Itinerants in all the years of the existance of these services - why
all of a sudden would anyone think they are going to start to use them
now?

Stewart - N0MHS

1229. Re: Licensing. . . We buy at Wal mart, we don't need no stinkin lincense!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 11:07:51 UTC
From: Scott Sixnine <scott_unit_69@yaSPAMhoo.com>
Message-ID: <3CF4B689.E1994E4D@yaSPAMhoo.com>
Source record: 6053
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

If you weren't trolling, you wouldn't have cross posted this...

1230. WEFAX and PSK31 Software Recommendations?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 11:36:03 UTC
From: 3518693@mail.com
Message-ID: <740cebc3.0205290336.48c29620@posting.google.com>
Source record: 6054

Hello all...

I have been away from digital hamming for about 3 years now, and have recently needed to get back into the swing of things. We are taking a very long boat trip, and need the following capabilities:

1- WEFAX

2-PSK 31

3-PACTOR

I have an AEA PK-900 for the Pactor, which will be used for email (airmail) (Nope, not spending 600 bucks for the Pactor II capable SCS modems...) , Unless someone knows if they have figured out a software method of doing pactor (which I doubt, I recall some kind of timing problem?)

Wefax for weather, of course, software recommendations needed.... and PSK 31 software recommendations also (I've used Digipan, loved it... what's the latest version and where is it located?)

Thanks for all your help, Computer on the boat is an older (expendable) laptop, 2 gig drive, 80 meg ram, I think a Pentium 2 at 175 mhz... Radio will be an Icom 710 and a Yaesu 900.

Thanks in advance folks....

MW

1231. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 12:09:10 UTC
From: 'Doc <w5lz@icok.net>
Message-ID: <3CF4C4E3.CA299BB0@icok.net>
Source record: 6056
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

stewart,
It's not progress you're talking about, it's
only change. Change, just for the sake of change
is one of the stupidest ideas going. If your ideas
had any merit, that would be different, but they
don't.
As to the code speed reduction, how would you
possibly know what my feelings are about it? I've
never expressed them to you, or this NG. If you
knew what they were/are, it might suprise you.
And what new 'novice' class are you talking about?
The one you proposed which was rejected, or did
something happen and no one told me about it? I
think you're mixing fantasy with reality Stew.
Do I have faith in my fellow Americans? Yes I
do, but what has that got to do with what we're
discussing? Just more 'smoke', and trying to focus
on a totally unrelated topic. You've really got that
'politician two-step' down almost pat!
'Doc

PS - I still think you need help Stew baby...

1232. Re: Licensing. . . We buy at Wal mart, we don't need no stinkin lincense!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 12:10:09 UTC
From: lucifer@eternal-flames.gov
Message-ID: <3cf4bdfc.479087@news.btinternet.com>
Source record: 6055
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

On 28 May 2002 23:09:19 -0700, horseshoe7@yahoo.com (stewart) wrote:

>Isn't it just TERRIBLE! People are starting to communicate all OVER
>the place. We can't have THAT now, can we? Better start a rumour on
>the Internet, right away! We need to get this evil GMRS/FRS thing
>BANNED!!

Any truth to the rumour that the FCC is planning to withdraw the GMRS
and FRS bands and ban those particular services?

1233. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 12:13:53 UTC
From: 'Doc <w5lz@icok.net>
Message-ID: <3CF4C5FF.214625CE@icok.net>
Source record: 6057
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb

Stew,
Now all you need to do is put that back
in context. As far as the 'hero' thing goes,
you still have no idea about what you're talking
about. Listen to the music Stew, no one's dancing
to the 'politician two-step' any more. Need to
do better than that...
'Doc

1234. Re: Digital modes; software, connections/questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 12:48:02 UTC
From: Martin <mab@delete-this.capita.nildram.co.uk>
Message-ID: <uf9jd4nbubc331@corp.supernews.com>
Source record: 6058

"Bob Lewis (AA4PB)" <rlewis@staffnet.com> wrote in message
news:uf5mq0n9761b79@corp.supernews.com...
> Take a look at MixW2 - it does a number of modes including RTTY and it
> can control your PRO-II frequency and filter settings. MixW2 will
> receive Amtor and transmit Amtor FEC and can receive Pactor. To my
> knowledge there are no Windows based sound card programs that will
> transmit Amtor or Pactor ARQ modes (there is a DOS program around that
> will work with a true sound blaster sound card only).
>
>

I would second MixW - it does almost all the modes in common use
at least reasonably well and PSK very well. Not so great at SSTV -
it will let you try it out, but get a more specialist package if you want
to take it seriously. It also integrates well with several other important
ham packages for logging etc.

Martin

1235. Is APRS always 1200 baud?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 14:10:38 UTC
From: johnfofawn@hotmail.com
Message-ID: <d89364bd.0205290610.6c2bf8b0@posting.google.com>
Source record: 6059

nomail@pe1chl.ampr.org (Rob Janssen) wrote in message
news:<slrnae82u3.j8a.nomail@linux.pe1chl.ampr.org>...
> John <johnfofawn@hotmail.com> wrote:
> >I have complex (IQ) samples. I think I need a demod to get to symbols
> >and a decoder to get to bits/text. Right?
>
> Well, you will have several layers in that case...
>
> First you need to demodulate the samples as NBFM audio (probably not the
> first choice to do that using DSP from IQ samples, but of course possible).
>
> Then you have a 1200/2200 Hz FSK signal (1200 baud) that you demodulate
> to ones and zeroes and recover the clocking info.

My receiver doesn't supply FM demodulated audio, so I'll write an FM
demodulator along with an FSK demodulator to produce the bits.

I see that there is 1200 baud, 2400 baud, and 9600 baud packet.

In the US on 144.39 is APRS *always* 1200 baud?

Thanks,
John

1236. Re: Digital modes; software, connections/questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 15:55:23 UTC
From: Rob <Pse@NoEmail.Com>
Message-ID: <0S6J8.1780$H67.9912@tor-nn1.netcom.ca>
Source record: 6060

MixW32 is a good program but it is shareware $$$.

You may want to check out hamscope at http://users.mesatop.com/~ghansen/.
It is a pretty good program that supports the popular digital modes like
RTTY, PSK31, MFSK , CW, Packet and ASCII.

Hamscope also integrates with popular logging programs like DXbase, Logic6,
RYLogit, TRX-Manager and YPLog.

Best of all, Hamscope is FREEWARE!

Rob

"Bob Lewis (AA4PB)" <rlewis@staffnet.com> wrote in message
news:uf5mq0n9761b79@corp.supernews.com...
> Take a look at MixW2 - it does a number of modes including RTTY and it
> can control your PRO-II frequency and filter settings. MixW2 will
> receive Amtor and transmit Amtor FEC and can receive Pactor. To my
> knowledge there are no Windows based sound card programs that will
> transmit Amtor or Pactor ARQ modes (there is a DOS program around that
> will work with a true sound blaster sound card only).
>
>

1237. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 18:17:25 UTC
From: aaron_voobner@yahoo.com
Message-ID: <7314c094.0205291017.153a98ab@posting.google.com>
Source record: 6061
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

horseshoe7@yahoo.com (stewart) wrote:

> Sky wave, or "skip" propagation is commonplace on HF
>frequencies. To take advantage of this propagation requires
>running more than the legally-allowed 4W output allowed
>on 11m CB...

This will come as a shock to the many folks who have worked all
continents on HF using milliwatt QRP transmitters.

>However, on VHF/UHF frequencies, greater than Line of Sight(LOS)
>propagation is a fairly rare occurrance - so there is no initial
>motivation for an average individual to run a high-powered amplifier
>on these frequencies.

Right, CB'ers would NEVER think of running amps on FRS.......

From: Paul Furbert (pfurbert@ibl.bm)
Subject: FRS Amplifier
Newsgroups: rec.radio.cb
Date: 1998/11/16

Anybody make one yet?

235

From: Scott W (dkdk@dfkdk.ccc)
Subject: Re: Linear UHF Amp For FRS!
Newsgroups: rec.radio.cb
Date: 1999/12/03
In article <3845B53C.37ED321E@hotmail.com>, upplus@hotmail.com says...

I'm looking for a UHF linear that
will take the 500milliwat imput.
Thanks.

From: Bill Eitner (kd6tas@netzero.net)
Subject: Re: who has the amps for FRS?
Newsgroups: rec.radio.cb
Date: 2001-11-20 14:02:27 PST

> What's the URL for the web site that sells the linears that work on
> the FRS channels? I'm looking for about 250W out.

You might do a web search for "T-E Systems."

They make high power amps for VHF/UHF ham
applications. They may have an amp for the
450 MHz FM ham band that makes that much
power and only requires a few watts of drive
power. Hopefully you have an early FRS radio
that had the potential to make more than 3/4
of a watt. If not, you'll have to start with a low
power amp, see what the output is, and then
buy a suitable high-power amp designed to deal
with the amount of drive power that the low-power
amp produces.

Good luck.
-=[Bill Eitner]=-

1238. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 18:26:51 UTC
From: Dave Hall <nojunk_n3cvj@worldlynx.net>
Message-ID: <3CF51D6B.1D8B@worldlynx.net>
Source record: 6062
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

stewart wrote:
>
> Like any of the classic urban legands - LSD tattoos, Kidney theft,
> Alligators in the sewers - the GMRS/FRS/MURS high-power amplifier myth
> just keeps making the rounds...
>
> http://www.urbanlegends.com/
>
> The myth - spread by hams having a strong "radio cop" slant - has
> absolutely no basis in fact.

But it does have a basis in history, and human nature, together with a declining morality standard, and a general "up yours" attitude.

> The motivation for spreading the rumor
> is somewhat complex - but, the main motivation appears be to maintain
> some kind of "superiority complex" these hams harbor over "CB users".

And how does one do that? Whether or not one operator is "superior" to another would be easy to discern based on their overall achievements and their dedication to their respective service. One does not need to promote a superior attitude. The facts will speak for themselves.

> A secondary motivation seems to be to stop the growth of these
> wildly-popular radio services - as ham VHF/UHF usage has continued to
> decline in recent years, these services are rapidly growing in
> popularity.

Why would hams want to purposely halt the growth of another radio service? For what gain? As a radio hobbyist, I welcome any and all outlets for experimenting.

>
> There has never been a reported violation involving amplifiers on any
> of these VHF/UHF frequencies; and, the fact is, there is simply no
> real motivation for the average person to use amplifiers on these
> frequencies.

How about the "entertainment" that you spoke of, of "squashing" other stations? How about for inproving their distance? How about the same motivation that pushed most high powered Cbers, and that is the "king of the hill" syndrome?

>
> THE BASIS FOR THE LEGEND:
>

> Illegal amplifier use on 11m CB frequencies has been an ongoing
> problem for many years. However, the dynamics of radio wave
> propagation on HF CB vs. VHF MURS or UHF FRS/GMRS are quite different.
> Sky wave, or "skip" propagation is commonplace on HF frequencies. To
> take advantage of this propagation requires running more than the
> legally-allowed 4W output allowed on 11m CB... as a result, many
> truckers(and other citizens) have resorted to using illegal amplifiers
> to raise the output of their radio stations to outrageosly-high
> values; 500, 1000, 1500, even 2000 Watt amplifier use is commonplace -
> allowing these individuals to communicate great distances(sometimes
> 1,000s of miles when the "skip is in").

So you think that "skip" is the sole reason that CBers run amps? You obviously haven't spent much time on CB in the last 20 years. When the "skip" is running, you can work the world with 10 watts. If the skip isn't running, you can't work the next state with 5,000 watts. (Unless, of course, the next state is less than 150 miles away).

I'll give you a clue. Amp usage on CB is about two things, either being heard above the next guy, or preventing the next guy from overrunning you. It's nothing more than a competitive spirit gone horribly wrong, and there's no evidence to suggest that this same attitude would not cross over to any other band available to these same undisciplined people.

> A side result of this
> "culture", has been that these individuals resort to a kind of
> "entertainment" by jamming smaller-powered stations ("squashing") when
> the "skip is out".

A "side" result? I'd say that this is probably 50% of the activity on CB during any given day. Just listen to Channel 6.

>
> However, on VHF/UHF frequencies, greater than Line of Sight(LOS)
> propagation is a fairly rare occurrance - so there is no initial
> motivation for an average individual to run a high-powered amplifier
> on these frequencies.

Sure there is. The attitude of being the big dog on the block is still as strong on 154 Mhz, as it is on 27.

>
> The fact that there has never been any direct proof of individuals
> running amplifiers on these frquencies, seems to be of no consequence
> to the professors of this urban legend. They will come up with all
> kinds of contorted reasons why "The end is near", and "widespread
> amplifier use on these frequencies is just a matter of time". Of
> course, these are the same arguments these individuals have been
> making for YEARS, and still - as there are no alligators in the
> sewers, there are no high-powered amplifiers on GMRS/FRS/MURS.

One other thing is needed for this to happen; popularity. And then there has to be someone willing to market these accessories to the people that want them. FRS has deliberately been manufactured and marketed to discourage amp usage, or modifications in general. MURS is still a service in its infancy. It hasn't really caught on yet with the yahoo crowd. As long as there is activity on 11 meter CB, what is the incentive to move to MURS?

As long as these VHF/UHF services are marketed as short range, mostly handheld units, there will be little incentive for the "big guns" to set up shop. But give it time. Start offering fancy radios, cheaply, with lots of knobs and gadgets, and billy bob will be on those bands eventually.

Dave
"Sandbagger"

1239. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 18:31:05 UTC
From: Dave Hall <nojunk_n3cvj@worldlynx.net>
Message-ID: <3CF51E69.100B@worldlynx.net>
Source record: 6063
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

stewart wrote:
>
> The latest MURS rules changes now simply limit transmitter power
> output to 2W, and remove the old 2W ERP restriction:

Well, if you think about it, it just makes sense to do it that way. You are creating a service for non-technical people (as evidenced by the non-license requirement), and yet expect them to calculate their transmit power plus antenna gain and subtract feedline loss? Add to that that the radio would then need a means to adjust the power until the ERP fell into spec. It was a quagmire to deal with, at ERP levels.

But it does open up a bunch of possibilities, running 2w into stacked 22 element yagi arrays.......

Dave

1240. Re: WEFAX and PSK31 Software Recommendations?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 18:59:48 UTC
From: Rob <Pse@NoEmail.Com>
Message-ID: <Py9J8.1806$H67.9993@tor-nn1.netcom.ca>
Source record: 6064

You may want to try Hamscope at http://users.mesatop.com/~ghansen/ for RTTY, ASCII, PSK31, Packet, MFSK16. All you need is your sound card. Best of all it is free.

(Another multimode program is MixW32 but it is $$$ware)

For WEFAX and SSTV, try MMSTV at www.qsl.net/mmhamsoft

Unfortunately, there is no software for Pactor that will work with your soundcard. There is RITTY by K6STI for Pactor/RTTY and a soundcard. It works great on Pactor ARQ but it is my understanding that you need a TRUE Soundblaster ISA card - NO clones. It also works under DOS. Most hams these days want Windows programs. (And fewer and fewer hams are comfortable working with DOS).

The PK-900 works great in Pactor 1 ARQ. It is one of the FEW US modems that have HARDWARE memory ARQ for enhanced performance. The KAM, PK-232 do NOT. I would keep it for Pactor 1 (but it is bulky for a boat).

Pactor II is FANTASTIC but pricey unless you can find a second hand PTC II or PTC IIe.

Rob

"M Wilson" <3518693@mail.com> wrote in message
news:740cebc3.0205290336.48c29620@posting.google.com...
> Hello all...
>
> I have been away from digital hamming for about 3 years now, and have
> recently needed to get back into the swing of things. We are taking a
> very long boat trip, and need the following capabilities:
>
> 1- WEFAX
>
> 2-PSK 31
>
> 3-PACTOR
>
> I have an AEA PK-900 for the Pactor, which will be used for email
> (airmail) (Nope, not spending 600 bucks for the Pactor II capable SCS
> modems...) , Unless someone knows if they have figured out a software
> method of doing pactor (which I doubt, I recall some kind of timing
> problem?)
>
> Wefax for weather, of course, software recommendations needed.... and
> PSK 31 software recommendations also (I've used Digipan, loved it...

> what's the latest version and where is it located?)
>
> Thanks for all your help, Computer on the boat is an older
> (expendable) laptop, 2 gig drive, 80 meg ram, I think a Pentium 2 at
> 175 mhz... Radio will be an Icom 710 and a Yaesu 900.
>
> Thanks in advance folks....
>
> MW

1241. Re: Licensing. . . We buy at Wal mart, we don't need no stinkin lincense!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 19:33:26 UTC
From: JJ <radiobuff0@mailcity.net>
Message-ID: <3CF5100B.D1EBFEDD@mailcity.net>
Source record: 6065
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

I would suggest you acquire a VHF/UHF radio that actually receives
and listen again.

stewart wrote:

>
> NOW - THE REAL REASON FOR THESE SMOKESCREENS:
>
> Having failed in their attempts to assert the URBAN MYTH that
> high-powered AMPS are being used on MURS/GMRS/FRS, these ham "Internet
> Lobbyists" are now trying this NEW TACTIC to divert attention from the
> fact that the ham VHF/UHF bands are VIRTUALLY UNUSED - and that
> FRS/GMRS/MURS are runaway success stories in public communications.

1242. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 19:36:21 UTC
From: JJ <radiobuff0@mailcity.net>
Message-ID: <3CF510B9.C4D51D43@mailcity.net>
Source record: 6066
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

The cb'ers will make a sewer pit of any radio spectrum they can
get their hands on.

"Aaron H. Voobner" wrote:

>
> Right, CB'ers would NEVER think of running amps on FRS.......
>

1243. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 20:13:30 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0205291213.3a521231@posting.google.com>
Source record: 6067
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

'Doc <w5lz@icok.net> wrote in message news:<3CF4C4E3.CA299BB0@icok.net>...

> PS - I still think you need help Stew baby...

Thanks, I COULD use some... so how about helping me get 1.25M openned
up for a new Novice Class?

Stewart - N0MHS

1244. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 20:25:58 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0205291225.27763849@posting.google.com>
Source record: 6068
Cross-posted to: rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"Jim Hampton" <aa2qa@frontiernet.net> wrote in message
news:<faf2118571a2a9bddafcb1abbc0e2be6.80792@mygate.mailgate.org>...
> Good grief, Stewart. One begins to wonder exactly what you are trying
> to promote. I've run phone patches from Guam to Webster, NY, running
> only 15 watts! I've gotten into a cw net thousands of miles away -
> running MILLIWATTS. Power is needed in VHF/UHF for some of the more
> exotic modes. Meteor trails, moonbounce, some scatter work ... heck,
> with my 6 double a alkalines, I can open repeaters close to 100 miles
> away (well, one that is high - and that is when I'm up on the 23rd floor
> of an apartment complex, but you get the idea). Problems happen when
> unknowlegable folks apply the golden screwdriver. I've seen posts which
> state you only have to turn a pot to make your FRS radio 'louder'. I
> doubt going into deviation and descriminators would help as it is likely
> over that user's head. Believe me, I've had a lot of fun back in the
> early 70s with CB. The urban legends usually circulate amongst those
> who don't know enough technology to know when something is simply not
> true. I saw a post perhaps not a week ago on a board from someone
> looking for a mod for a radio. Another guy posted a link to a website
> with the mod. Sure enough, TWO DAYS LATER, the first guy posts again
> with the subject 'HELP'. Seems he let the smoke out of the components.
> Seems the radio is stuck on 28.500, won't transmit, and squeals when
> the audio gain is turned up. You seem to think the amateurs are putting
> people down. The problem is that some folks are being led into things
> that they know nothing about - and it shows when some 27 MHz signals
> are 50 KHz wide. Unless you are working moonbounce, a 3 dB signal
> gain or loss won't usually amount to anything - yet people mod their
> rigs to try and get that 3 dB extra, which is usually spread where they
> don't want it. My guess is that the majority of amateurs are running
> 150 watts or less. The large majority. And working stations worldwide
> every day. Why do you think one necessarily needs a linear? Sure, the
> big gun DXCC guys run 'em (often with a mentality that is similar to
> yours), but most don't honestly need 'em. Besides, going from a ground
> mounted vertical to a 3 element beam up 60 feet will often gain you as
> much or more than increasing from 100 to 1000 watts and cost less.

While I'm pretty much a QRP-type operator, I really don't have any
argument with anything you are saying. But, all of this stuff really
doesn't apply to the services or the discussion at hand. The point
is, there have been ZERO actions by the FCC against any
individuals/entities for running high-powered amplifiers on the
MURS/GMRS/FRS frequencies; and there is(and never has been) the same
type of incentive to run these things, like there is on 11m. That's
all I'm saying.

> 73 from Rochester, NY
> Jim

Stewart - N0MHS

1245. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 20:59:17 UTC
From: randy_NO_SPAM_PLEASE_@frs-usa.com
Message-ID: <b03b87e2.0205291259.74436459@posting.google.com>
Source record: 6069
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

horseshoe7@yahoo.com (stewart) wrote in message
news:<5f4fe4c2.0205281616.4a5ccf0@posting.google.com>...
>
> However, on VHF/UHF frequencies, greater than Line of Sight(LOS)
> propagation is a fairly rare occurrance - so there is no initial
> motivation for an average individual to run a high-powered amplifier
> on these frequencies.
>

What you are failing to see is that rarely do two radio operators
operate strict line-of-site. Most, if not all radio communications
using VHF and UHF radios are sending a signal to the other radio
through vegitation, buildings, cars, people, etc!

Even when I am taking to repeaters on high locations, I have to
contend with objects between me and the repeater antenna. Higher
power DOES help you to overcome these obsticles.

When I use my FRS radios, I rarely can see the person I am talking to.
DO YOU?

Randy
http://www.frs-usa.com

1246. Re: Licensing. . . We buy at Wal mart, we don't need no stinkin lincense!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 21:26:09 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0205291326.3700f788@posting.google.com>
Source record: 6070
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

lucifer@eternal-flames.gov wrote in message news:<3cf4bdfc.479087@news.btinternet.com>...
> On 28 May 2002 23:09:19 -0700, horseshoe7@yahoo.com (stewart) wrote:
>
> >Isn't it just TERRIBLE! People are starting to communicate all OVER
> >the place. We can't have THAT now, can we? Better start a rumour on
> >the Internet, right away! We need to get this evil GMRS/FRS thing
> >BANNED!!
>
> Any truth to the rumour that the FCC is planning to withdraw the GMRS
> and FRS bands and ban those particular services?

Nope, they are very useful services... that would be like tearing up
the beginnings of the Interstate Freeway system, because of a few drag
racing gangs (known as the CBers and Freebanders) on Mulholland Drive
in the early 60's.

Quite the contrary - these services are reaching saturation, and need
to be EXPANDED. Another possibility is to release some of the
pressure on these services by allowing family members and friends to
easily get a ham license by opening up the 1.25M ham band to a New
Novice NoCode Voice Class License.

Stewart - N0MHS

1247. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 21:34:59 UTC
From: 'Doc <w5lz@icok.net>
Message-ID: <3CF54982.1ABCF464@icok.net>
Source record: 6071
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

stewart,
Nope. I don't waste my time if I can help
it. I was speaking about your delusions, anyway.
'Doc

1248. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 21:35:27 UTC
From: "Leland C. Scott" <no-spam@junk-mail.net>
Message-ID: <zQbJ8.63584$%o.6086814@bin3.nnrp.aus1.giganews.com>
Source record: 6072
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"stewart" <horseshoe7@yahoo.com> wrote in message
news:5f4fe4c2.0205290157.577b128e@posting.google.com...
> The discussion was really about "high-powered amps"; it is VITUALLY
> USELESS to use high-powered amplifiers(>75W) in the context of LOS
> MURS. Rather than restating the whole premise in each and every post
> - I've posted the entire premise in another thread... the point is -
> people simply haven't been using these amps on UHF GMRS/FRS or VHF
> Itinerants in all the years of the existance of these services - why
> all of a sudden would anyone think they are going to start to use them
> now?

For some of the same reasons they get used on 11m. Not that the operator wants to work DX, on the contrary they want to be king-of-the-hill. Some of these poor folks have such a huge desire to control other people that the only way they can find to do it is by "taking control of a local frequency or channel", as with CB radio. They maybe the low person at work etc., but when empowered by a huge amplifier, that allows them to determine who talks and when or they get jammed, gives them the brief feeling of being in control - i.e. the Boss. How many times on 11m have you heard some channel control freak say " you're not going to talk on MY CHANNEL" followed by a dead carrier, loud music etc? Right, too many times. In short its an ego trip for some of the idiots, and has nothing to do with logic and V/UHF propagation facts. The bigger the amplifier all the better to key over other lesser powered stations in their mind.

--
Leland C. Scott
KC8LDO

Saw this on a Tee-shirt:

"I am a
bomb
technician
if you see me
running
try to keep up "

1249. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 21:42:50 UTC
From: "Leland C. Scott" <no-spam@junk-mail.net>
Message-ID: <tXbJ8.60498$jm.5941814@bin6.nnrp.aus1.giganews.com>
Source record: 6073
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"G. M. Alf" <gmalf.ears@verizon.net> wrote in message
news:utl8fuou71v39mu2tvd00u0hr7h89dmp1r@4ax.com...
> On Wed, 29 May 2002 00:42:54 GMT, "Leland C. Scott"
> <no-spam@junk-mail.net> wrote:
>
> >> >I hear this typical "garbage" from CBers all the time,
> >> >Hams operating out of band.
> >>
> >> I heard it from a Ham.
> >
> >He was jerking your chain and you fell for it.
>
> I know the fellow. He wasn't jerking anyone's chain. He was a bit
> upset by their arrogance, not really caring if anyone found out who
> they were.

So who were they? If they don't care then it would be OK to post their callsigns right here
->>>

>
> >So if what you say is true then I should have picked up more that
> >one lousy low power packet station in the last year I have been
> >monitoring, particulary given the size of the Detroit area.
>
> Sure, if VHF had skip. I have not heard any high powered MURS
> stations anywhere between Everett and Seattle WA.

Not if you where in Billerica, MA.

> If you'd like to chat with your high powered buddies on MURS you might
> take a little trip to Billerica, MA. Sounds like it would be an easy
> fox hunt, well, more like an elephant hunt.

Billerica is just a fly speck of a town on the map, and about half way between Boston and
Lowell. I would be more interested in what is happening in the likes of Boston for example.

--
Leland C. Scott
KC8LDO

Saw this on a Tee-shirt:

"I am a
bomb
technician
if you see me

running
try to keep up "

1250. MURS is SPAM - was Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 22:43:56 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0205292242200.15958-100000@exp.bde-arc.ampr.org>
Source record: 6074
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

Why bother? All you want to do is spam these newsgroups with your MURS crap.

This is amateur radio, CB radio, or FRS, depending on the newsgroup cross-posted to, not MURS.

MURS has no purpose. It was an FCC wet dream to clean after a radio manufacturing mistake - and it will never be more than that.

1251. Re: Is APRS always 1200 baud?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 22:45:22 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0205292244440.15958-100000@exp.bde-arc.ampr.org>
Source record: 6075

On 29 May 2002, John wrote:
>In the US on 144.39 is APRS *always* 1200 baud?

Yes.

If the APRS community wants 9600 baud (or any other speed), they'll have to ask their respective regions for another frequency (or take one if there is no oversight organization).

1252. Re: Licensing. . . We buy at Wal mart, we don't need no stinkin lincense!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 22:46:47 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0205292246330.15958-100000@exp.bde-arc.ampr.org>
Source record: 6077
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

On 29 May 2002, stewart wrote:
>lucifer@eternal-flames.gov wrote in message news:<3cf4bdfc.479087@news.btinternet.com>...
>> On 28 May 2002 23:09:19 -0700, horseshoe7@yahoo.com (stewart) wrote:
>>
>> >Isn't it just TERRIBLE! People are starting to communicate all OVER
>> >the place. We can't have THAT now, can we? Better start a rumour on
>> >the Internet, right away! We need to get this evil GMRS/FRS thing
>> >BANNED!!
>>
>> Any truth to the rumour that the FCC is planning to withdraw the GMRS
>> and FRS bands and ban those particular services?
>
>Nope, they are very useful services... that would be like tearing up
>the beginnings of the Interstate Freeway system, because of a few drag
>racing gangs (known as the CBers and Freebanders) on Mulholland Drive
>in the early 60's.
>
>Quite the contrary - these services are reaching saturation, and need
>to be EXPANDED. Another possibility is to release some of the
>pressure on these services by allowing family members and friends to
>easily get a ham license by opening up the 1.25M ham band to a New
>Novice NoCode Voice Class License.

There is no such "novice no-code" class. Must be another of Stewart's wet dreams.

1253. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 22:54:40 UTC
From: Dan Martin <nospamdwrtin@idirect.com>
Message-ID: <ufamill6tl6692@corp.supernews.com>
Source record: 6076
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

Leleand, lets cut to the chase, if the cop was using his ht as a work radio, he is wrong, period.
> bandm they do it all the time, for various "reasons".

And some of them may in fact be legitimate depending on the Ham. Some do have license privileges to transmit on other than the Ham Bands.

We're not talking about mars or caps here. the thread was typical ham operator, going out of band, using a murs, or up here in the GWN, one of the lpu freqs. Wrong , of couse, bothering anyone, no. BUT it does happen, something I can say I have witnessed. and done the odd time. Why, hmm, not enough radio's at an weekend event, dial up the handi to the radio's being used, and off we go. Wrong, of course, hurting anyone, no. He're another example, I was working with another ham and we needed radio's, we couldn';t very well use 147.555 for our purpose, being commercial, so we used 151.055, an lpu freq, with no tone to ensure we didn't bother any of the local security guards, et c.
I'm not trying to call you out on this, just make you aware that just becuase hams have thousands of freqs available, doesn't for a minute mean they won't wander. I will conceed that many hams take a dim view of this, but there are plenty that don't.

Sincerely

Dan

In one case I remember seeing a Royal Oak city cop, in full uniform with side arm, sitting at a table in a small restaurant on Woodward Avenue with a very plainly obvious Yeasu HT. His heavy duty Motorola radio was nowhere to be seen. Was he a Ham? I don't know because I didn't ask, and I didn't see him making a transmissions with it while I was there to check for a callsign.

I have seen court officer using the yeasu ht, I think it's a tad easir to get ear plugs for that the typical Motorola. As long as he's only monitoring, there no harm being done.

--
Leland C. Scott
KC8LDO

Saw this on a Tee-shirt:

"I am a
bomb
technician

if you see me
running
try to keep up "

1254. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 23:07:23 UTC
From: Dan Martin <nospamdwrtin@idirect.com>
Message-ID: <ufanagglumi7e9@corp.supernews.com>
Source record: 6078
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

Here's a bit of a response to all the hams who seem to bash cb'ers with amps(no I've never owned a linear) Why is it so bad (besides illegal) to run 100-200 watts on 27mhz, but ok to run 1500 on 28 and 29 ?

"Aaron H. Voobner" <aaron_voobner@yahoo.com> wrote in message news:7314c094.0205291017.153a98ab@posting.google.com...
> horseshoe7@yahoo.com (stewart) wrote:
>
> > Sky wave, or "skip" propagation is commonplace on HF
> >frequencies. To take advantage of this propagation requires
> >running more than the legally-allowed 4W output allowed
> >on 11m CB...
>
> This will come as a shock to the many folks who have worked all
> continents on HF using milliwatt QRP transmitters.
>
> >However, on VHF/UHF frequencies, greater than Line of Sight(LOS)
> >propagation is a fairly rare occurrance - so there is no initial
> >motivation for an average individual to run a high-powered amplifier
> >on these frequencies.
>
> Right, CB'ers would NEVER think of running amps on FRS.......
>
> ---
> From: Paul Furbert (pfurbert@ibl.bm)
> Subject: FRS Amplifier
> Newsgroups: rec.radio.cb
> Date: 1998/11/16
>
> Anybody make one yet?
>
> 235
>
> ---
> From: Scott W (dkdk@dfkdk.ccc)
> Subject: Re: Linear UHF Amp For FRS!
> Newsgroups: rec.radio.cb
> Date: 1999/12/03
> In article <3845B53C.37ED321E@hotmail.com>, upplus@hotmail.com says...
>
> I'm looking for a UHF linear that
> will take the 500milliwat imput.
> Thanks.

>
> ---
> From: Bill Eitner (kd6tas@netzero.net)
> Subject: Re: who has the amps for FRS?
> Newsgroups: rec.radio.cb
> Date: 2001-11-20 14:02:27 PST
>
> > What's the URL for the web site that sells the linears that work on
> > the FRS channels? I'm looking for about 250W out.
>
> You might do a web search for "T-E Systems."
>
> They make high power amps for VHF/UHF ham
> applications. They may have an amp for the
> 450 MHz FM ham band that makes that much
> power and only requires a few watts of drive
> power. Hopefully you have an early FRS radio
> that had the potential to make more than 3/4
> of a watt. If not, you'll have to start with a low
> power amp, see what the output is, and then
> buy a suitable high-power amp designed to deal
> with the amount of drive power that the low-power
> amp produces.
>
> Good luck.
> -=[Bill Eitner]=-
>
> ---

1255. Re: Licensing. . . We buy at Wal mart, we don't need no stinkin lincense!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 23:40:46 UTC
From: K&#65533;HB <KAYZEROHANDSOMEBOY@ELECTRICSMOKE.NET>
Message-ID: <2GdJ8.282$wO3.121@newsread2.prod.itd.earthlink.net>
Source record: 6079
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"stewart" <horseshoe7@yahoo.com> wrote

> Another possibility is to release some of the
> pressure on these services by allowing family members and friends to
> easily get a ham license by opening up the 1.25M ham band to a New
> Novice NoCode Voice Class License.

The 1.25M band is already open to Novices and to NoCode licensees.

73, de Hans, K0HB
&#65533;&#65533;&#65533; SOC # 291 http://www.qsl.net/soc/

1256. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 23:41:30 UTC
From: JJ <radiobuff0@mailcity.net>
Message-ID: <3CF54A2E.9BE8E213@mailcity.net>
Source record: 6080
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

Moparholic@hotmailnospam.com wrote:
>
> JJ <radiobuff0@mailcity.net> wrote:
> >>The cb'ers will make a sewer pit of any radio spectrum they can
> > > get their hands on.
> > >
> You have NEVER used a CB radio?

Exactly, and never intend to.

1257. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 23:46:10 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0205291546.28de1dfd@posting.google.com>
Source record: 6081
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

Dave Hall <nojunk_n3cvj@worldlynx.net> wrote in message
news:<3CF51D6B.1D8B@worldlynx.net>...

> As long as these VHF/UHF services are marketed as short range, mostly
> handheld units, there will be little incentive for the "big guns" to set
> up shop. But give it time. Start offering fancy radios, cheaply, with
> lots of knobs and gadgets, and billy bob will be on those bands
> eventually.

I respect all the points you have made. However, because of the fact
that we already have had GMRS and FRS for a great number of years(and
GMRS does allow external antennas, and does share freqs with FRS, and
will allow you to run easily obtainable Part 90 eqpt.), and these
types of antics are not going on - I stand by my basic premise that
the CB culture is FIRMLY ENTRENCHED and QUITE HAPPY on 11m... these
'ol boys can't just "reach out and knowingly squash somebody" for an
extended period of time over in the next county - now matter how many
WATTS they pump out. Oh sure, they could squash the conversation of
little Billy or Susie on FRS for about 30 seconds, while they were
passing thru town, or interfere with a business inventory being taken
on MURS for a minute or so - but that is NOTHING compared with the
HOURS OF PURE ENJOYMENT these CLOWNS can get on CB.

> Dave
> "Sandbagger"

Stewart - N0MHS

1258. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-29 23:46:10 UTC
From: aaron_voobner@yahoo.com
Message-ID: <7314c094.0205291546.4a4cb799@posting.google.com>
Source record: 6082
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

> From: Scott W (dkdk@dfkdk.ccc)
> Subject: Re: Linear UHF Amp For FRS!
> Newsgroups: rec.radio.cb
> Date: 1999/12/03
> In article <3845B53C.37ED321E@hotmail.com>, upplus@hotmail.com says...
>
> I'm looking for a UHF linear that
> will take the 500milliwat imput.
> Thanks.
>

Sorry Scott. I snipped out your response to this dope, but forgot to
snip out the article attribution which contaned your email address.
Got my dopes mixed up. Easy to do in rrcb.

Apologies,

-A

1259. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-30 00:11:14 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0205291611.57a1a424@posting.google.com>
Source record: 6083
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

aaron_voobner@yahoo.com (Aaron H. Voobner) wrote in message
news:<7314c094.0205291017.153a98ab@posting.google.com>...
> horseshoe7@yahoo.com (stewart) wrote:
>
> > Sky wave, or "skip" propagation is commonplace on HF
> >frequencies. To take advantage of this propagation requires
> >running more than the legally-allowed 4W output allowed
> >on 11m CB...
>
> This will come as a shock to the many folks who have worked all
> continents on HF using milliwatt QRP transmitters.

Oh, COME ON, these people are also running high gain antennas on bands
not INFESTED with the level of noise present on 11m. With the type of
antennas these 'ol boys typically run, they need the watts to be heard
thru all the noise, and to overcome the ineffeciencies in their
antenna systems, and to communicate with the other good 'ol boys
running a similar power level and antenna system at the other end of
the link.

> >However, on VHF/UHF frequencies, greater than Line of Sight(LOS)
> >propagation is a fairly rare occurrance - so there is no initial
> >motivation for an average individual to run a high-powered amplifier
> >on these frequencies.
>
> Right, CB'ers would NEVER think of running amps on FRS.......

Of course they are going to try to extrapolate their knowlege of 11m
to 70cm... but IT DOESN'T WORK - because of LOS limitations, because
of the increased imporatance of transmission line loss and antenna
gain, and because of the fact that nobody else runs a
similarly-powered system, the clowns get NO REASONABLE FEEDBACK, and
so they slink back to the 11m slimefest, where they can interfere with
conversations of thousands over a five county area, instead of the
sheer boredom of only being able to interfere with little Billy or
Susie's conversation down the block for a few seconds - who just end
up putting on CTCSS, and don't even know that they are being
interfered with. There just isn't the same THRILL.

This is why we haven't been seeing this kind of activity on
GMRS/FRS/interstitials. If this high-powered amplifier activity were
REALLY occuring on these services, wouldn't you think the UHF and VHF
amps would be being sold right there alongside all of those HF amps at
the truckstops?

Stewart - N0MHS

1260. MURS?? What is it??

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-30 00:26:01 UTC
From: jfenn@lava.net
Message-ID: <ad3ripepn2@mochi.lava.net>
Source record: 6084

Whats all this MURS stuff about. Is that some new digital
comms system?? I'm familiar with PSK and Packet/Pactor
but have'nt heard of MURS before
Joe/ABM6JF/KH6JF

****
* Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
****

1261. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-30 01:30:19 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0205291730.75fe8924@posting.google.com>
Source record: 6085
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"Dan Martin" <nospamdwrtin@idirect.com> wrote in message
news:<ufanagglumi7e9@corp.supernews.com>...
> Here's a bit of a response to all the hams who seem to bash cb'ers with
> amps(no I've never owned a linear) Why is it so bad (besides illegal) to
> run 100-200 watts on 27mhz, but ok to run 1500 on 28 and 29 ?

The biggest problem is the sort of "arms race" mentality that has
developed. It leads to a kind of "nuclear winter" in which the whole
band is so over-saturated with RF energy, that nobody except the ones
with the largest amplifiers can cut thru the noise to communicate.
Things are ESPECIALLY BAD on the HF bands(like 11m CB), because of
skip - as the noise gets propagated ALL OVER THE WORLD!

I would assume the same problem holds true on the HF ham bands to a
certain extent. However, hams are taught to use only as much power as
necessary to maintain a contact(I don't know how many follow the rule,
and how far they will go in interpreting it, but I'm going to assume
most follow it to a certain degree - although it isn't the "prime
directive" of each and every ham).

Stewart - N0MHS, a VHF/low power-oriented Amateur Extra

1262. Re: Off Topic Spam: Important information regarding your usenet service

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-30 01:38:57 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <RofJ8.12433$LC3.873256@bgtnsc04-news.ops.worldnet.att.net>
Source record: 6086

Do not send me email wrt newsgroup postings.

I suspect most of your problem arises because you cannot
tell the difference between a post and an email.

Hank Oredson wrote:
>
> "Tom Currie" <N4AOF@iglou.com> wrote in message
> news:3CF0C03E.EDF1A028@iglou.com...
> > Alan Larson wrote:
> > >
> > > I don't see how anything ATT broadband will do to their servers will
> affect
> > > my usenet service.
> > >
> > > Why did you spew this here?
> > >
> > > Alan
> >
> > Duh, why don't you read the message before bitching?
>
> Why did you spam all the rest of us with this nonesense?
> Note the Newsgroups: header in your posting.
> The only postings I've seen are your spams.

Then I can only suggest you learn to read

>
> Message-ID: <3CEEA47A.2869B500@iglou.com>
> Date: Fri, 24 May 2002 16:37:14 -0400
> From: Tom Currie <N4AOF@iglou.com>
> X-Mailer: Mozilla 4.77 [en] (Windows NT 5.0; U)
> X-Accept-Language: en
> MIME-Version: 1.0
> Newsgroups: rec.radio.amateur.digital.misc
> To: abuse@attbi.net
> CC: customer.support@broadband.att.com
> Subject: Off Topic Spam: Important information regarding your usenet service
> References: <YWwH8.12895$uh4.226@typhoon.mw.ipsvc.net>
> Content-Type: text/plain; charset=us-ascii
> Content-Transfer-Encoding: 7bit
> NNTP-Posting-Host: lou-ts5-27.iglou.com
> X-Original-NNTP-Posting-Host: lou-ts5-27.iglou.com
> X-Trace: news.iglou.com 1022272635 lou-ts5-27.iglou.com (24 May 2002
> 16:37:15 -0400)

> Lines: 67
> X-Original-NNTP-Posting-Host: 204.255.238.41
> Path:
>
bgtnsc05-news.ops.worldnet.att.net!bgtnsc04-news.ops.worldnet.att.net!wnslaves3
>
!wnmasters2!wn1feed!worldnet.att.net!207.172.3.44!feed2.news.rcn.net!rcn!nntp.a
> bs.net!uunet!dca.uu.net!news.iglou.com!not-for-mail
> Xref: wnmasters2 rec.radio.amateur.digital.misc:35899
> X-Received-Date: Fri, 24 May 2002 20:37:25 GMT
> (bgtnsc05-news.ops.worldnet.att.net)
>
> --
>
> ... Hank
>
> Hank: http://horedson.home.att.net
> W0RLI: http://w0rli.home.att.net

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1263. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-30 01:42:38 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0205291742.6f042ea6@posting.google.com>
Source record: 6087
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

randy_NO_SPAM_PLEASE_@frs-usa.com (Randy A. Hefner) wrote in message
news:<b03b87e2.0205291259.74436459@posting.google.com>...
> horseshoe7@yahoo.com (stewart) wrote in message
news:<5f4fe4c2.0205281616.4a5ccf0@posting.google.com>...
> >
> > However, on VHF/UHF frequencies, greater than Line of Sight(LOS)
> > propagation is a fairly rare occurrance - so there is no initial
> > motivation for an average individual to run a high-powered amplifier
> > on these frequencies.
> >
>
> What you are failing to see is that rarely do two radio operators
> operate strict line-of-site. Most, if not all radio communications
> using VHF and UHF radios are sending a signal to the other radio
> through vegitation, buildings, cars, people, etc!
>
> Even when I am taking to repeaters on high locations, I have to
> contend with objects between me and the repeater antenna. Higher
> power DOES help you to overcome these obsticles.
>
> When I use my FRS radios, I rarely can see the person I am talking to.
> DO YOU?

Of course not - RF LOS propagation is different than Visual LOS
propagation.

Why don't you take a gander at this:

http://www.ictp.trieste.it/~radionet/2000_school/lectures/carlo/linkloss/INDEX.HTM

... pay particular attention to Huygens' Principle, all right?

And while you're at it - why don't you look into upgrading that
Technician Class license, Randy?

Now - if you all would stop spreading this high-power GMRS/FRS/MURS
amplifier bullshit, I'll stop having to debunk it. Fair enough?

> Randy
> http://www.frs-usa.com

Stewart - N0MHS

1264. Re: MURS?? What is it??

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-30 01:43:04 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <IsfJ8.12440$LC3.873625@bgtnsc04-news.ops.worldnet.att.net>
Source record: 6088

<jfenn@lava.net> wrote in message news:ad3ripepn2@mochi.lava.net...
> Whats all this MURS stuff about. Is that some new digital
> comms system?? I'm familiar with PSK and Packet/Pactor
> but have'nt heard of MURS before
> Joe/ABM6JF/KH6JF

One of the several flavors of CB, this one on freqs near 2M.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1265. Re: Licensing. . . We buy at Wal mart, we don't need no stinkin lincense!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-30 01:46:59 UTC
From: Bill Sohl <billsohl@mindspring.com>
Message-ID: <ad40gp$968$1@slb4.atl.mindspring.net>
Source record: 6089
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

<lucifer@eternal-flames.gov> wrote in message
news:3cf4bdfc.479087@news.btinternet.com...
> On 28 May 2002 23:09:19 -0700, horseshoe7@yahoo.com (stewart) wrote:
>
> >Isn't it just TERRIBLE! People are starting to communicate all OVER
> >the place. We can't have THAT now, can we? Better start a rumour on
> >the Internet, right away! We need to get this evil GMRS/FRS thing
> >BANNED!!
>
> Any truth to the rumour that the FCC is planning to withdraw the GMRS
> and FRS bands and ban those particular services?

Not a chance. With 8 zillion FRS units sold and more being
sold every day, outlawing their use would be a joke.

Cheers,
Bill K2UNK

1266. Re: Licensing. . . We buy at Wal mart, we don't need no stinkin lincense!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-30 01:55:13 UTC
From: Bill Sohl <billsohl@mindspring.com>
Message-ID: <ad4108$ls2$1@slb6.atl.mindspring.net>
Source record: 6090
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"stewart" <horseshoe7@yahoo.com> wrote in message
news:5f4fe4c2.0205291326.3700f788@posting.google.com...
> lucifer@eternal-flames.gov wrote in message
news:<3cf4bdfc.479087@news.btinternet.com>...
> > On 28 May 2002 23:09:19 -0700, horseshoe7@yahoo.com (stewart) wrote:
> >
> > >Isn't it just TERRIBLE! People are starting to communicate all OVER
> > >the place. We can't have THAT now, can we? Better start a rumour on
> > >the Internet, right away! We need to get this evil GMRS/FRS thing
> > >BANNED!!
> >
> > Any truth to the rumour that the FCC is planning to withdraw the GMRS
> > and FRS bands and ban those particular services?
>
> Nope, they are very useful services... that would be like tearing up
> the beginnings of the Interstate Freeway system, because of a few drag
> racing gangs (known as the CBers and Freebanders) on Mulholland Drive
> in the early 60's.
>
> Quite the contrary - these services are reaching saturation, and need
> to be EXPANDED.

I see no such saturation of FRS. Another family and mine often
travel on weekends and we use FRS between cars. No saturation
encountered at all...much less even another occasional user
on the same channel. This is in the northeast, probably the most
densly populater area of the country.

Cheers,
Bill K2UNK

Another possibility is to release some of the
> pressure on these services by allowing family members and friends to
> easily get a ham license by opening up the 1.25M ham band to a New
> Novice NoCode Voice Class License.
>
> Stewart - N0MHS

1267. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-30 02:35:38 UTC
From: Arf! Arf! <DoggieDaze@Liberalz.com>
Message-ID: <ad433u$a7b$0@pita.alt.net>
Source record: 6091
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"Dan Martin" <nospamdwrtin@idirect.com> wrote in message
news:ufanagglumi7e9@corp.supernews.com...
> Here's a bit of a response to all the hams who seem to bash cb'ers with
> amps(no I've never owned a linear) Why is it so bad (besides illegal) to
> run 100-200 watts on 27mhz, but ok to run 1500 on 28 and 29 ?

Because it is the law. What part of "illegal" do you not comprehend?

1268. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-30 03:11:08 UTC
From: 'Doc <w5lz@icok.net>
Message-ID: <3CF59846.6E674BE7@icok.net>
Source record: 6092
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

stewart wrote:
----clipped----
> I respect all the points you have made. However, because of the fact
> that we already have had GMRS and FRS for a great number of years(and
> GMRS does allow external antennas, and does share freqs with FRS, and
----clipped----

Stew,
"A great number of years"... Are you sure that
FRS has been around for a great number of years?
How about 1 year (I think).
You know, the way you re-arrange facts to fit the
argument you're making, I think you're a politician.
Are you getting paid by the 'word', or by the pound of
fertilizer that you post?
'Doc

1269. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-30 03:17:29 UTC
From: 'Doc <w5lz@icok.net>
Message-ID: <3CF599C5.22FAE2B6@icok.net>
Source record: 6093
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

So far, Stew baby, you're the only one 'spreading'
it. And the only reason you're doing that is so you
can 'debunk' it. You know, one of those, "make a problem
so you can cure the problem and be a hero" kinda things.
You ned help Stew...
'Doc

1270. Re: Licensing. . . We buy at Wal mart, we don't need no stinkinlincense!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-30 03:43:30 UTC
From: Robert Casey <wa2ise@ix.netcom.com>
Message-ID: <3CF59FE1.3F24CC7A@ix.netcom.com>
Source record: 6094
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

>
> There is no such "novice no-code" class. Must be another of Stewart's wet dreams.

Some people say 5 wpm is equivalent to "no code". If you accept that,
then we used to have an "all code" "no-code" license. A license where
the only permitted mode used to be CW.

:-)

1271. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-30 03:52:18 UTC
From: Robert Casey <wa2ise@ix.netcom.com>
Message-ID: <3CF5A1F2.69A0F5EB@ix.netcom.com>
Source record: 6095
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

stewart wrote:

>
>
> I would assume the same problem holds true on the HF ham bands to a
> certain extent. However, hams are taught to use only as much power as
> necessary to maintain a contact(I don't know how many follow the rule,
> and how far they will go in interpreting it, but I'm going to assume
> most follow it to a certain degree - although it isn't the "prime
> directive" of each and every ham).

I suspect that the "minimum power needed for the contact" is
observed by hams at the "order of magnitude" level. Can't reach that
interesting DX on 20 with just the 100 watts your transceiver
puts out, well, fire up the kilowatt linear.

1272. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-30 04:35:38 UTC
From: K&#65533;HB <KAYZEROHANDSOMEBOY@ELECTRICSMOKE.NET>
Message-ID: <u_hJ8.311$RT5.33@newsread2.prod.itd.earthlink.net>
Source record: 6096
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"stewart" <horseshoe7@yahoo.com> wrote

> there are no high-powered amplifiers on GMRS/FRS/MURS.

There are any number of "opened up" 2M mobile rigs running on MURS. You can find them advertised as "MURS Ready" on EBay any time you like. Just did a search on "MURS" and found 50W Icom IC-2100H available, with prominent mention that it would work on the "new MURS" CB service.

Sunuvagun!

73, de Hans, K0HB
&#65533;&#65533;&#65533; SOC # 291 http://www.qsl.net/soc/

1273. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-30 05:01:22 UTC
From: Phil Kane <Phil.Kane@na.shmavz.ka.pop>
Message-ID: <cuvyxnansvbet.gwwii20.pminews@netnews.attbi.com>
Source record: 6097
Cross-posted to: alt.radio.family,rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.cb

On Wed, 29 May 2002 14:26:51 -0400, Dave Hall wrote:

>Why would hams want to purposely halt the growth of another radio
>service? For what gain? As a radio hobbyist, I welcome any and all
>outlets for experimenting.

The Class D Citizens Radio Service was never intended for hobby or
experimental use. It became that way by default. Because of
laziness as a resault of a well-known-inside pizzing contest between
certain managers at the FCC - it was easier to just nake thw rules
conform to what the outlaws were doing than to enforce them.

The GMRS and the FRS and the MURS were never intendced to be for
hobby or experimental usage. But alas, the same throwing-up-of-the-hands
that overcame the FCC with the CBRS overcame them for these, too.

FRS was a pet project of Radio Shack to sell lots of junky
throw-away radios and MURS was a pet project of EF Johnson to sell
more JobComm radios than its competitor could sell Color-Dot radios
which both were selling when a Business Radio License was required
for their usage. But the outlaws walked into CostCo or Wal-Mart,
bought the radios and used them unlawfully and the FCC again changed
the rules rather than enforced them.

If you think that these companies had the good intentions of "making
communications more accessible for the average person", I have a bridge
for sale that may be of interest to you....

Wanna do hobby? Wanna do experimenting? Get a ham license....it's
much easier now than when the CBRS and GMRS were first founded.

---
73 de K2ASP - Phil Kane

From a Clearing in the Silicon Forest
Beaverton (Washington County) Oregon

1274. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-30 05:09:57 UTC
From: "G. M. Alf" <gmalf.ears@verizon.net>
Message-ID: <9pcbfu8tul9bi1fuih52mnkgjtsppos40a@4ax.com>
Source record: 6098
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

On Thu, 30 May 2002 03:11:08 GMT, 'Doc <w5lz@icok.net> wrote:

>
>
>stewart wrote:
>----clipped----
>> I respect all the points you have made. However, because of the fact
>> that we already have had GMRS and FRS for a great number of years(and
>> GMRS does allow external antennas, and does share freqs with FRS, and
>----clipped----
>
>Stew,
> "A great number of years"... Are you sure that
>FRS has been around for a great number of years?
>How about 1 year (I think).

The Family Radio Service was established by the FCC on May 14, 1996, a
mere 6 years ago.

> You know, the way you re-arrange facts to fit the
>argument you're making, I think you're a politician.
>Are you getting paid by the 'word', or by the pound of
>fertilizer that you post?
> 'Doc

Seems to be a common practice.

Mike

1275. Re: Licensing. . . We buy at Wal mart, we don't need no stinkin lincense!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-30 06:08:29 UTC
From: lucifer@eternal-flames.gov
Message-ID: <3cf5bca3.1885041@news.btinternet.com>
Source record: 6099
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

On 29 May 2002 14:26:09 -0700, horseshoe7@yahoo.com (stewart) wrote:

>Nope, they are very useful services... that would be like tearing up
>the beginnings of the Interstate Freeway system, because of a few drag
>racing gangs (known as the CBers and Freebanders) on Mulholland Drive
>in the early 60's.

I thought the idea was for somebody to start the rumour? ;-)

Nick.

1276. Re: MURS?? What is it??

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-30 06:34:21 UTC
From: jfenn@lava.net
Message-ID: <ad4h5dipe2@mochi.lava.net>
Source record: 6100

OHhhh Gawd I should have known!
Kokomo Joe

****
* Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
****

1277. Re: Is APRS always 1200 baud?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-30 08:39:54 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnafbpaq.g0u.nomail@linux.pe1chl.ampr.org>
Source record: 6001

John <johnfofawn@hotmail.com> wrote:
>nomail@pe1chl.ampr.org (Rob Janssen) wrote in message
news:<slrnae82u3.j8a.nomail@linux.pe1chl.ampr.org>...
>> John <johnfofawn@hotmail.com> wrote:
>> >I have complex (IQ) samples. I think I need a demod to get to symbols
>> >and a decoder to get to bits/text. Right?
>>
>> Well, you will have several layers in that case...
>>
>> First you need to demodulate the samples as NBFM audio (probably not the
>> first choice to do that using DSP from IQ samples, but of course possible).
>>
>> Then you have a 1200/2200 Hz FSK signal (1200 baud) that you demodulate
>> to ones and zeroes and recover the clocking info.

>My receiver doesn't supply FM demodulated audio, so I'll write an FM
>demodulator along with an FSK demodulator to produce the bits.

>I see that there is 1200 baud, 2400 baud, and 9600 baud packet.

1200 and 2400 are usually sent using AFSK (2400 with higher tone freqs).
9600 is sent using FSK, so there is one (de)modulator less. However, there
is a scrambler between the demodulated FSK bits and the NRZI layer.

There also exists a 2400 bps PSK system, but I think it is rarely used.

In Canada and the Netherlands a 4800 bps ternary FSK system is popular.
(HAPN 4800 baud modem by VE3DNL and others)

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

1278. Re: Licensing. . . We buy at Wal mart, we don't need no stinkin lincense!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-30 10:57:50 UTC
From: Mike Yetsko <joe@user.com>
Message-ID: <ufc1l8ol50l579@corp.supernews.com>
Source record: 6002
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"Bill Sohl" <billsohl@mindspring.com> wrote in message
news:ad4108$ls2$1@slb6.atl.mindspring.net...
>
> I see no such saturation of FRS. Another family and mine often
> travel on weekends and we use FRS between cars. No saturation
> encountered at all...much less even another occasional user
> on the same channel. This is in the northeast, probably the most
> densly populater area of the country.
>
> Cheers,
> Bill K2UNK

It's the way you're using them. On the highway, with the limited range, you WON'T find many other users. Even around Boston. (I'm below Worcester.) I've used FRS between multiple cars to the cape and to ski trips, and never run into someone on the highway.

On the other hand, I took FRS on a motorcycle trip. And stops up north of Lowel found a couple of channels busy. On ski trips to Vermont almost every channel is so busy as to be almost unusable. Going to things like NHRA (big events with top fuelers) FRS is one big party line. Even with PL.

Hey, even in the summer, when I was at the summit of Wachusett, I found about half the channels active. A lot from there, but I was also getting some pretty distant stuff. One conversation was hikers. Sounded like they were on Monadnock.
Mike

1279. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-30 11:26:42 UTC
From: Dave Hall <nojunk_n3cvj@worldlynx.net>
Message-ID: <3CF60C72.2556@worldlynx.net>
Source record: 6003
Cross-posted to: alt.radio.family,rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.cb

Phil Kane wrote:
>
> On Wed, 29 May 2002 14:26:51 -0400, Dave Hall wrote:
>
> >Why would hams want to purposely halt the growth of another radio
> >service? For what gain? As a radio hobbyist, I welcome any and all
> >outlets for experimenting.
>
> The Class D Citizens Radio Service was never intended for hobby or
> experimental use. It became that way by default. Because of
> laziness as a resault of a well-known-inside pizzing contest between
> certain managers at the FCC - it was easier to just nake thw rules
> conform to what the outlaws were doing than to enforce them.

No arguement there. You are correct, but it doesn't change history. Be
that as it may, the CB band, the FRS band, and I'm sure the MURS band
are open to be used by THE PUBLIC, for whatever usage they seem to see
fit. GMRS is also (sadly) heading down the same road, now that
blister-pack GMRS radios are available to clueless people that think
they are just higher powered FRS radios.

>
> The GMRS and the FRS and the MURS were never intendced to be for
> hobby or experimental usage. But alas, the same throwing-up-of-the-hands
> that overcame the FCC with the CBRS overcame them for these, too.

They were never intended, but nonetheless are, the cheap and dirty way
to play with radio without taking a test.

>
> FRS was a pet project of Radio Shack to sell lots of junky
> throw-away radios

Some would say Motorola also had a stake in this.

> and MURS was a pet project of EF Johnson to sell
> more JobComm radios than its competitor could sell Color-Dot radios
> which both were selling when a Business Radio License was required
> for their usage. But the outlaws walked into CostCo or Wal-Mart,
> bought the radios and used them unlawfully and the FCC again changed
> the rules rather than enforced them.

That seems to be a common thread for the FCC. "If you can't beat 'em,
change the rules". Had the FCC's presence been stronger, 25 years ago,
we wouldn't be having this conversation. But it's water over the dam

now.

>
> If you think that these companies had the good intentions of "making
> communications more accessible for the average person", I have a bridge
> for sale that may be of interest to you....

Oh no, I'm far from naive. Any commercial venture has as it's primary goal, the advancement of their profits. Clever marketing types will look to find any new niche, that they can exploit for monetary gain. Why do you think companies like Uniden and Yaesu, made ham radios that (Wink wink) could be easily modified for 11 meter usage? That was no accident, and their sales demographics proved it, even though they ended up flooding the market with gear that was destined for illegal usage. But their bottom line was much better....

>
> Wanna do hobby? Wanna do experimenting? Get a ham license....it's
> much easier now than when the CBRS and GMRS were first founded.

Seems almost too easy doesn't it? Why would someone play arounf with services like MURS, and FRS, when ham radio offers so much more? The theory test is disgustingly easy these days, so there's really no good technical reaason why someone would not go the ham route.

But many seem to harbor a deep rooted hatred for hams and the service in general. This is likely due to bad exposure to "stuffed shirt" types that feel that "real hams" operate DX on HF with at least 75% of all contacts on CW. The bad taste left has turned away many prospective radiko hobbyists. Maybe that's why there's interest in these other services.....

Dave

>
> ---
> 73 de K2ASP - Phil Kane
>
> From a Clearing in the Silicon Forest
> Beaverton (Washington County) Oregon

1280. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-30 11:37:07 UTC
From: Dave Hall <nojunk_n3cvj@worldlynx.net>
Message-ID: <3CF60EE3.453@worldlynx.net>
Source record: 6004
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

stewart wrote:
>
> Dave Hall <nojunk_n3cvj@worldlynx.net> wrote in message
news:<3CF51D6B.1D8B@worldlynx.net>...
>
> > As long as these VHF/UHF services are marketed as short range, mostly
> > handheld units, there will be little incentive for the "big guns" to set
> > up shop. But give it time. Start offering fancy radios, cheaply, with
> > lots of knobs and gadgets, and billy bob will be on those bands
> > eventually.
>
> I respect all the points you have made. However, because of the fact
> that we already have had GMRS and FRS for a great number of years(and
> GMRS does allow external antennas, and does share freqs with FRS, and
> will allow you to run easily obtainable Part 90 eqpt.), and these
> types of antics are not going on - I stand by my basic premise that
> the CB culture is FIRMLY ENTRENCHED and QUITE HAPPY on 11m... these
> 'ol boys can't just "reach out and knowingly squash somebody" for an
> extended period of time over in the next county - now matter how many
> WATTS they pump out. Oh sure, they could squash the conversation of
> little Billy or Susie on FRS for about 30 seconds, while they were
> passing thru town, or interfere with a business inventory being taken
> on MURS for a minute or so - but that is NOTHING compared with the
> HOURS OF PURE ENJOYMENT these CLOWNS can get on CB.

I agree that there always will be some that have no desire to leave the
11 meter band. But there are also others that like to test new waters.
Many upgrade to ham radio. Many find other avenues.

In my opinion, the only reason that GMRS has stood the test of time, is
that the service was not (Until very recently), widely marketed to the
public in places like Wal-Mart. Gear for GMRS was largely made up of
converted business radios, which are fairly expensive, and not always
easy to find, unless you cruise around in the radio world. In other
words, you had a need.

CB was also not very popular before the 70's, when the mass media
coverage of the "convoy" phenomenon, catapulted CB into every household,
and many companies started cranking out radios and selling them in
places like auto parts stores and 5 & 10 stores.

What will ultimately kill GMRS is the increasing marketing of cheap
"bubble pack" radios, with the predictable resultant rise in illegal
activity. The FCC, will once again run rather than fight, and will most

likely deregulate the band, and that will be the final death knell for a once usable band.

Dave
"Sandbagger"

1281. Re: Licensing. . . We buy at Wal mart, we don't need no stinkin lincense!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-30 13:09:41 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3CF62495.788E199E@crosslink.net>
Source record: 6005
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

> stewart wrote:
>
> >
> >.... the ham VHF/UHF bands are VIRTUALLY UNUSED ....

I guess that's why there is at least a 5 year wait to get a repeater
pair coordinated on 2M even in the rural South.

1282. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-30 13:31:32 UTC
From: Dick Carroll <dickc58@att.net>
Message-ID: <3CF62984.97FA7FBA@att.net>
Source record: 6006
Cross-posted to: alt.radio.family,rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.cb

Phil Kane wrote:

> Wanna do hobby? Wanna do experimenting? Get a ham >license....it's

> much easier now than when the CBRS and GMRS were first founded.
>

As someone once said, "Well, there you have it..."
Straight from as prominent an authority as you will ever find on rrap. Ham radio testing today IS much easier today than before.

1283. Re: Is APRS always 1200 baud?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-30 13:40:57 UTC
From: johnfofawn@hotmail.com
Message-ID: <d89364bd.0205300540.4cbae9f6@posting.google.com>
Source record: 6007

nomail@pe1chl.ampr.org (Rob Janssen) wrote in message
news:<slrnafbpaq.g0u.nomail@linux.pe1chl.ampr.org>...
> >I see that there is 1200 baud, 2400 baud, and 9600 baud packet.
>
> 1200 and 2400 are usually sent using AFSK (2400 with higher tone freqs).
> 9600 is sent using FSK, so there is one (de)modulator less. However, there
> is a scrambler between the demodulated FSK bits and the NRZI layer.

Thanks for the information Rob.

How is demodulating an AFSK signal different from an FSK signal?

When I tune a receiver (properly) and sample the IF of an FSK signal
the "center" or 0 Hz of the signal is between the two FSK tones.

I assume in the case of AFSK, the two tones are riding "above" the AF
carrier. So in order to demodulate the tones I have to shift them down
to baseband so I can recover the clock and look for zero crossings?

Do you have a better technique?

Thanks!
John

1284. Re: Licensing. . . We buy at Wal mart, we don't need no stinkin lincense!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-30 14:11:05 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020530101105.16523.00001040@mb-mp.aol.com>
Source record: 6008

>PSSSTTT!!! Don't look now - but the ham 1.25M band has FALLEN
>SILENT... go ahead, scan it for activity sometime - THERE ISN'T ANY!
>... and sales of radios for the 222Mhz band have all but dried up.

That's fine, as long as they leave 6m, 2m and 70cm alone, I'll be happy. :)
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Beachwood, NJ USA! Grid FM29vw
http://vhfradiobuff.tripod.com

1285. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-30 15:44:49 UTC
From: shitblaster@volcanomail.com
Message-ID: <90a278e1.0205300744.120c4fd@posting.google.com>
Source record: 6009
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

horseshoe7@yahoo.com (stewart) wrote in message
news:<5f4fe4c2.0205291611.57a1a424@posting.google.com>...
" This is why we haven't been seeing this kind of activity on
GMRS/FRS/interstitials. If this high-powered amplifier activity were
REALLY occuring on these services, wouldn't you think the UHF and VHF
amps would be being sold right there alongside all of those HF amps
at
the truckstops?
Stewart - N0MHS.......

It is happening "Big Time", but the "rule breakers" in this
case aren't likley to ever go to shop at truckstops or be "Truckers".
The Loads of people into running high power/unlicensed equipment at
FRS/GMRS/MURS are most likley to be people that have more of a
"purpose" for a semi-closed PL (ctcss)/DPL radio like MURS/GMRS/FRS.
These include loads of Amateurs that are using these radios to
communicate with the rest of their family & friends, the ones that had
no interest to jump thru hoops to take a Federal Amateur test, just to
play with a radio twice a year, also Scanner buffs, & the "cop/fireman
wannabees" that show up with a radio &/or camera on their belt at a
fire scene, but really don't belong to any law enforcement agency
(EVERY Cop or Fireman knows these guys WELL), also People that started
out in legitimate FRS, & then found out about higher power radios that
can be programmed to work with their existing handhelds.
Believe me, you may want to believe that EVERY "bad guy" is a
trucker, & every illegitimate use of any radio service will trace back
to a Truck driver or Truckstop, but that is a stupid conclusion.

1286. Re: Help With Reprogramming M27256FI eEprom

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-30 16:41:09 UTC
From: Skipp <skipp@pilotNOSPAMPLEASE.ucdavis.edu>
Message-ID: <ad5kn5$5qi$3@woodrow.ucdavis.edu>
Source record: 6010
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

Hi Doug,

I can and would be able to help you out. I have an programer that should be able to handle what you need. Reply to my Email address below, taking the NOSPAMPLEASE out. I will program for free, small quanities of Eproms & EEproms for Amateurs and Experimenters. You just have to pay the postage both ways. Most people send their chip(s) to me with a prepaid return sase type envelope.

cheers
skipp@pilotNOSPAMPLEASE.ucdavis.edu

: Doug Gavilanes <gavilan1@earthlink.net>
: Greetings. I have a just few eEproms (bought from Pac-Comm) trying to
: run some Pac-Comm Tiny-2 TNCs, also bought from Pac-Comm, but for some
: unknown reason, the TNC will reset and the eEprom will lose all user
: parameters and revert to default settings. This takes me off of the
: air, as I'm trying to use one for APRS, but I can't keep one up for more
: than a day or two before the default settings reappear. I have spent
: hours with them on the phone teching the problem, with no success. Does
: anyone out with a programmer for this old IC have the ability to reburn
: this eEprom with my user parameters written into the default, so that
: when the unit resets, it will still be in an "on the air" capable APRS
: mode? I need to edit in about 12 settings or so, and since I bought
: these eEproms from the TNC manufacturer, I don't believe that editing
: and reburning the eEproms would be infringing on their copyright. Any
: help here appreciated. Please reply via e-mail to
: gavilan1@earthlink.net.

: 73 de Doug, N6XQY
: Garden Grove, CA.

1287. Re: Is APRS always 1200 baud?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-30 17:15:17 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnafcnh5.g0u.nomail@linux.pe1chl.ampr.org>
Source record: 6011

John <johnfofawn@hotmail.com> wrote:
>nomail@pe1chl.ampr.org (Rob Janssen) wrote in message
news:<slrnafbpaq.g0u.nomail@linux.pe1chl.ampr.org>...
>> >I see that there is 1200 baud, 2400 baud, and 9600 baud packet.
>>
>> 1200 and 2400 are usually sent using AFSK (2400 with higher tone freqs).
>> 9600 is sent using FSK, so there is one (de)modulator less. However, there
>> is a scrambler between the demodulated FSK bits and the NRZI layer.

>Thanks for the information Rob.

>How is demodulating an AFSK signal different from an FSK signal?

AFSK is 2 levels of FM. You have to demodulate it two times.

Rob
--
+---------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+---------------------------------+--------------------------------------+

1288. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-30 17:37:19 UTC
From: "Joe Bramblett, KD5NRH" <kd5nrh-r.r.a.m@kd5nrh.net>
Message-ID: <64573B2757C0D1AD.C79CD7A1B975F369.80F1AE70BFC429BF@lp.airnews.net>
Source record: 6012
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

On Wed, 29 May 2002 19:07:23 -0400, "Dan Martin"
<nospamdwrtin@idirect.com> wrote:

>Here's a bit of a response to all the hams who seem to bash cb'ers with
>amps(no I've never owned a linear) Why is it so bad (besides illegal) to
>run 100-200 watts on 27mhz, but ok to run 1500 on 28 and 29 ?

Ham amps don't tend to be intentionally set up to splatter across half
their band.

Joe Bramblett, KD5NRH
kd5nrh@kd5nrh.net
http://www.kd5nrh.net

1289. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-30 18:12:45 UTC
From: Glenn <ggrrhh@hotmail.com>
Message-ID: <oYtJ8.23$%J6.11608@newsfeed.slurp.net>
Source record: 6013
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

In article
<64573B2757C0D1AD.C79CD7A1B975F369.80F1AE70BFC429BF@lp.airnews.net>,
kd5nrh-r.r.a.m@kd5nrh.net says...
> On Wed, 29 May 2002 19:07:23 -0400, "Dan Martin"
> <nospamdwrtin@idirect.com> wrote:
>
> >Here's a bit of a response to all the hams who seem to bash cb'ers with
> >amps(no I've never owned a linear) Why is it so bad (besides illegal) to
> >run 100-200 watts on 27mhz, but ok to run 1500 on 28 and 29 ?
>
> Ham amps don't tend to be intentionally set up to splatter across half
> their band.
>

Unlike CB amps that are "intentionally set up to splatter across half
their band"? Do the CB mags run articles on how to intentionally set
up an amp to splatter across half the band? Is there a splatter per
MHz spec for 27 MHz stuff?

You have to love this hobby, you learn something new every day. Thanks
Joe for carrying on the ham radio tradition. The world most
certainly is our oyster!

73,

Glenn

1290. Re: Back up Power

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-30 22:29:54 UTC
From: Roy Lewallen <w7el@eznec.com>
Message-ID: <3CF6A7E2.433AEFC@eznec.com>
Source record: 6014
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

I've just had some interesting and informative email correspondence with Sylvan Butler, N7OWL, about gelled vs absorbed-liquid (AGM) sealed lead acid (SLA) batteries. I had commented that batteries with gelled electrolyte are rare, despite the fact that amateurs call all SLA batteries "gel cells". Sylvan had disagreed, saying that gelled types were common and AGM types rare.

This, and our correspondence, prompted me to do some web searching, and I came up with the following:

One of the batteries I see very often is the Panasonic SLA. Its electrolyte system is described at http://www.panasonic.com/industrial/battery/oem/images/pdf/slaover.pdf. It's pretty clearly AGM type and not gelled.

Sylvan and I both agree that one of the most common SLA batteries encountered is the Yuasa NP series. He had taken one, or a similar battery, apart and found gelled electrolyte. But Here's what the Yuasa web site says about the NP series, at http://www.yuasa-battery.co.uk/NP_Batteries.html:

"All NP batteries utilise Yuasa's unique electrolyte Suspension system incorporating a microfine glass mat to retain the maximum amount of electrolyte in the cells. The electrolyte is retained in the separator material by miniscus effect and there is no free electrolyte to escape from the cells. No gels or other contaminants are added."

The vent is described:

"The batteries are equipped with a simple, safe low pressure venting system which releases excess gas and automatically reseals should there be a build up of gas within the battery due to severe overcharge. However, on no account should the battery be charged in a sealed container."

I downloaded the Yuasa NP manual. It uses slightly different wording to describe the electrolyte system:

"All Yuasa NP batteries utilise an electrolyte suspension system consisting of a glass fibre separator material. This suspension system helps to achieve maximum service life, by fully retaining the electrolyte and preventing its escape from the separator material. No silica gels or other contaminents are used."

So it's clear that the common Yuasa NP series is also AGM and not gelled electrolyte type.

In email, Sylvan commented:

I agree.

But I do know I've taken apart several defunct SLAs and found a pudding-like substance (usually visibly dehydrated and cracking) inside, under the epoxy or tar seal.

Looking at the www.yuasa-battery.co.uk site, they only mention AGM types of SLAs. They also refer to their "NP" family as "a new generation". I wonder if they used to sell gelled electrolyte a few years ago, but now are not?

There are a lot of advantages of AGM compared to gelled, so discontinuing gelled and replacing them with AGM would not suprise me. The only disadvantage would be cost, and that may be somewhat mitigated if (as some nations require) the manufacturer is accounting for end-of-life recycling.

--------end of comment-------

With at least the popular Panasonic and Yuasa types not being gelled, I'll stand by my statement that truly gelled electrolyte SLAs are uncommon, although they certainly do exist. Does anyone know of a relatively common type of SLA that really does have gelled electrolyte?

Roy Lewallen, W7EL

1291. Re: WEFAX and PSK31 Software Recommendations?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-30 22:31:43 UTC
From: "Timothy.Rulon" <Timothy.Rulon@noaa.gov>
Message-ID: <3CF6A84F.EA0B4564@noaa.gov>
Source record: 6015

Captain,

Check out
http://www.nws.noaa.gov/om/marine/radiofax.htm
for lots of radiofax information.

timothy.rulon@noaa.gov

M Wilson wrote:

> Hello all...
>
> I have been away from digital hamming for about 3 years now, and have
> recently needed to get back into the swing of things. We are taking a
> very long boat trip, and need the following capabilities:
>
> 1- WEFAX
>
> 2-PSK 31
>
> 3-PACTOR
>
> I have an AEA PK-900 for the Pactor, which will be used for email
> (airmail) (Nope, not spending 600 bucks for the Pactor II capable SCS
> modems...) , Unless someone knows if they have figured out a software
> method of doing pactor (which I doubt, I recall some kind of timing
> problem?)
>
> Wefax for weather, of course, software recommendations needed.... and
> PSK 31 software recommendations also (I've used Digipan, loved it...
> what's the latest version and where is it located?)
>
> Thanks for all your help, Computer on the boat is an older
> (expendable) laptop, 2 gig drive, 80 meg ram, I think a Pentium 2 at
> 175 mhz... Radio will be an Icom 710 and a Yaesu 900.
>
> Thanks in advance folks....
>
> MW

1292. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-31 00:44:45 UTC
From: Phil Kane <Phil.Kane@na.shmavz.ka.pop>
Message-ID: <cuvyxnansvbet.gwy1oz2.pminews@netnews.attbi.com>
Source record: 6016
Cross-posted to: alt.radio.family,rec.radio.amateur.digital.misc,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.cb

On Thu, 30 May 2002 03:11:08 GMT, 'Doc wrote:

>> I respect all the points you have made. However, because of the fact
>> that we already have had GMRS and FRS for a great number of years(and
>> GMRS does allow external antennas, and does share freqs with FRS, and

> "A great number of years"... Are you sure that
>FRS has been around for a great number of years?
>How about 1 year (I think).

FRS was created by rules effective July 8, 1996.

MURS was created by rules effective November 13, 2000.

GMRS (Formerly Citizens Class A) has been around for about 50 years.

---
73 de K2ASP - Phil Kane

1293. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-31 01:43:05 UTC
From: Dan Martin <nospamdwrtin@idirect.com>
Message-ID: <ufdkqanbrfd31@corp.supernews.com>
Source record: 6017
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

All of it, thats why I stated it in the opening sentence! What part of "
besides" do YOU not understand.

Have a great day. Dog

Dan

"Arf! Arf!" <DoggieDaze@Liberalz.com> wrote in message
news:ad433u$a7b$0@pita.alt.net...
>
> "Dan Martin" <nospamdwrtin@idirect.com> wrote in message
> news:ufanagglumi7e9@corp.supernews.com...
> > Here's a bit of a response to all the hams who seem to bash cb'ers with
> > amps(no I've never owned a linear) Why is it so bad (besides illegal)
to
> > run 100-200 watts on 27mhz, but ok to run 1500 on 28 and 29 ?
>
> Because it is the law. What part of "illegal" do you not comprehend?
>
>

1294. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-31 03:02:48 UTC
From: twithedslappa@yahoo.com
Message-ID: <9bd4d6e5.0205301902.290b2522@posting.google.com>
Source record: 6018
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

please go to twistedhed FAQ at

http://www.geocities.com/keyclownslappa/twistworld.jpg

to see what twistedhed is all about.

twistedhed@webtv.net (Twistedhed) wrote in message
news:<22333-3CF62856-69@storefull-2313.public.lawson.webtv.net>...
> From: DoggieDaze@Liberalz.com (Arf!?Arf!)
> "Dan Martin" <nospamdwrtin@idirect.com> wrote in message
> news:ufanagglumi7e9@corp.supernews.com...
> >Here's a bit of a response to all the hams who seem to bash cb'ers with
> amps(no I've never owned a linear) Why is it so bad (besides illegal)
> to run 100-200 watts on 27mhz, but ok to run 1500 on 28 and 29 ? <<
>
> >>Because it is the law. What part of "illegal" do you not comprehend?<<
>
> If it was merely that simple then those that self-profess the virtue of
> legal radio behavior would never have to resort to the usual BS lies
> such as cb interference to emergency ops., cancer induced from RF
> spewing linears, false attributions to folks that have a difference of
> opinion, etc., etc.,

1295. Re: Back up Power

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-31 03:12:30 UTC
From: JB <ac6tk@nospamcybertime.net>
Message-ID: <ad6pkv$f70$1@madmax.keyway.net>
Source record: 6019
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,uk.radio.amateur

: > >Maintenance Free car batteries often use a calcium additive that reduces
: > >the electrolyte loss and allows a greater margin for overcharge. This
: > >....[snip]....
: > >However, I don't see why anyone would want to use a stock type
: > >car battery unless they had a bunch of junk cars in the yard, and
: > >a low current drain accessory to run, like an old CB or 8-track
: > >stereo, because stock type low-maintenance or maintenance-free
: > >car batteries don't keep well in this kind of operation.
: >
: > That doesn't match my experience.
: >
: > I've powered an 100-watt HF transceiver, a 25-watt VHF transceiver, and
: > an AM/FM receiver (for easy listening), plus occasionally even the lights
: > (when the mains are off) in my shack for over 25 years using stock lead-
: > acid batteries from my local discount store. They last about as long
: > (3-5 years) in my "shack" as they do in my automobiles.
: >
: > --Myron.
:
: I've been using them for nearly 15 years here and no problems. Car
: batteries hold up fine as long as you don't overcharge them, don't let
: them discharge too far, and keep the water up in them. But I do prefer
: a marine deep cycle if I had my choice as their design suits radio use
: better. But a car battery will work just fine. I'm running a 706 on
: one right now. I use a fully automatic charger to keep the charge up,
: but a trickle charge will work fine as long as you remember to unhook
: it when you have a full charge. Heavily discharging a car battery will
: greatly shorten it's life and capacity. All long as you avoid that,
: you won't have much trouble. A deep cycle can handle heavy discharges
: better, but even with those it's best not to heavily discharge them. I
: never heavily discharge any of those lead acid batteries on purpose.
: Sometimes it'll happen though out portable etc. If I buy a new battery
: just for radio use, I get the big marine deep cycles. MK

Here's my experience:

I find that I have had to replace stock Automotive starting batteries
about 2:1 when compared to Marine Deep Cycle batteries.

I have had good life with Gates cells even though I have only bought
used ones. All of gells (or whatever) are pulls from UPS service, and
either they are good and I get a few years use or I pitch them. I have
a couple that claim to be sealed that didn't have as much life as the

sealed Gells (says "GELL" on the side) that were 5 years old when
I got them.

Currently I have 7 years on a Nautilus group 27 Deep Cycle Marine
in the trunk (in a box with a fusible link) that pulls all the radio gear
with the key off and has still outlasted 2 "premium" 72 month batteries
in the front of the vehicle. Before I went to dual systems my battery
life on the front OEM and Premium batteries was even worse. Even
when I was buying the best that could squeeze into the space.
I can't count how many Die Hard and JCPenny batteries I fried when
I was running around with Motracs in the early days. If only Radio
Shack had them on the "free battery a month" cards along with
"lifetime" tubes.

Jim, ac6tk

1296. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-31 10:30:57 UTC
From: KC8PMX <kc8pmx@NOSPAMdiamondcs.net>
Message-ID: <ad7ke301od6@enews1.newsguy.com>
Source record: 6021
Cross-posted to: rec.radio.cb,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.amateur.misc

"Paul Peterson" <pp23@cox.net> wrote in message
news:6SgI8.90396$Md6.3020010@news1.east.cox.net...
> "stewart" wrote
> >
> > What I'm saying is that Amateur Radio has slowly become less relevant
> > in the last 10 years, but the trend is accelerating.
>
> Amateur Radio has changed. That is a fact. The reason it
> changed, is that you can't build a radio cheaper than you can buy it.
>

Can you name anything associated with technology in any form that has not
advanced or progressed over the years?

> All those Hams who could build a radio, are dead and gone.

Pure baloney.... there are a ton of them, I can name quite a few right in my
"own backyard" as it is. (And some of these are not the old timers either)

>
> What that leaves, is the Hams who like to interface things to a
> pre-built radio. There is a lot of experimentation and fun in doing
> those projects.

Who's fault is that? Could it be the manufacturer's? I cannot buy enough
parts to make a "decent" rig even 1/10 of the quality and stability of
today's rigs locally here where I live. Christ, the manufacturers are also
responsible for the virtual death of some of the VHF and above bands.

>
> Radio is not the fascinating thing it was in the 60's and before.
> Radio is boring since the invention of the CD. Not many people
> stay up all night to here a far away AM station like we did as kids.
>

The hell it is..... there is even MORE things to learn and do in the hobby
that it ever was in the sixties.

> Radio is an appliance to Americans, not as much a hobby anymore.
>

Just a matter of individual perception.

> The numbers will never again reach what there was at the peak
> of Ham radio. The commercialization of RF to one or two
> companies in America will continue, and Ham radio will go to

> the same place that model railroaders, and slot car racing went.
>

Hmmm.... the numbers have (for the most part) gone up every year. Granted some years were definitely not as large in growth as others, but almost every year for the past 20-30 years has appreciated some level of growth, not decline. If there is a death in ham radio, it is going to come from lack of promotion on a national level down to the local/club level and of course the personal level. If we also spent as much time whining about what is supposedly so shitty about ham radio, and spent that time educating prospective hams and new hams we would have a greater growth that we currently do have.

> Hobbies die, and people die. MURS is still-born.
>

That is true if you want them to, or a person can be proactive and work for positive change or at least to keep things at a even keel.

Ryan

1297. Re: Licensing. . . We buy at Wal mart, we don't need no stinkin lincense!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-31 10:46:58 UTC
From: jthorpe1234@my-deja.com
Message-ID: <d45cd084.0205310246.420ced80@posting.google.com>
Source record: 6020
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"Bill Sohl" <billsohl@mindspring.com> wrote in message
news:<ad4108$ls2$1@slb6.atl.mindspring.net>...
> I see no such saturation of FRS. Another family and mine often
> travel on weekends and we use FRS between cars. No saturation
> encountered at all...much less even another occasional user
> on the same channel. This is in the northeast, probably the most
> densly populater area of the country.
>

Hmmm, you haven't been to a state fair, race or other special event,
have you? Different story during those times.

1298. Unamerican? (was Debunking the ...)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-31 12:48:09 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3CF77109.6D7D43F6@crosslink.net>
Source record: 6022
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

Somebody said:
> > Because it is the law. ....
> >

Good thing Adams, Jefferson, Madison, Monroe, Washington, et al had a somewhat different attitude. :o)

Yes, this like the rest of the thread is a mindless troll sent to captivate the clueless ...

73 K3DWW

1299. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-31 15:46:34 UTC
From: JJ <radiobuff0@mailcity.net>
Message-ID: <3CF77DCC.111B0061@mailcity.net>
Source record: 6023
Cross-posted to: rec.radio.cb,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.amateur.misc

Before activating his brain Paul Peterson wrote:

>
> All those Hams who could build a radio, are dead and gone.

Try again, I have in the past built a lot of ham gear, some from
kit, some completely homebrew and can still do it. Just because
you are incapable of building something doesn't mean everyone else
is also.

1300. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-31 17:23:24 UTC
From: kb9rvb@arrl.net
Message-ID: <77f1797e.0205310923.1bd282b0@posting.google.com>
Source record: 6024
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

Isn't there a "commercial" Yaesu model HT that is/was marketed for the
155's and 460's which looks like an FT50RD? I thought some of the
vendors were closing out battery packs for those a year or so ago,
seliing them as spares for the FT50's etc.

"Leland C. Scott" <no-spam@junk-mail.net> wrote in message
news:<NFVI8.48797$jm.5088882@bin6.nnrp.aus1.giganews.com>...
> "Dan Martin" <nospamdwrtin@idirect.com> wrote in message
> news:uf5svdkud9r837@corp.supernews.com...
> > Well I have seen hams use out of band freqs, 151.055, 451.1875....
> not
> > just heard, but seen. Don't for a minute think that hams don't go out
> of
> > bandm they do it all the time, for various "reasons".
>
> And some of them may in fact be legitimate depending on the Ham. Some do
> have license privileges to transmit on other than the Ham Bands. In one
> case I remember seeing a Royal Oak city cop, in full uniform with side
> arm, sitting at a table in a small restaurant on Woodward Avenue with a
> very plainly obvious Yeasu HT. His heavy duty Motorola radio was nowhere
> to be seen. Was he a Ham? I don't know because I didn't ask, and I
> didn't see him making a transmissions with it while I was there to check
> for a callsign.
>
>
> --
> Leland C. Scott
> KC8LDO
>
> Saw this on a Tee-shirt:
>
> "I am a
> bomb
> technician
> if you see me
> running
> try to keep up "

1301. Re: Unamerican? (was Debunking the ...)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-31 18:10:03 UTC
From: randy_NO_SPAM_PLEASE_@frs-usa.com
Message-ID: <b03b87e2.0205311010.7920b8aa@posting.google.com>
Source record: 6025
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

Vito <vito@crosslink.net> wrote in message news:<3CF77109.6D7D43F6@crosslink.net>...
> Somebody said:
> > > Because it is the law. ....
> > >
>
> Good thing Adams, Jefferson, Madison, Monroe, Washington, et al had a
> somewhat different attitude. :o)
>
> Yes, this like the rest of the thread is a mindless troll sent to
> captivate the clueless ...
>
> 73 K3DWW

A very narrow look at this! The men you quote all were for laws.
They were just for laws that was balanced by representation!

Talk about spin!

Randy
http://www.frs-usa.com

1302. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-31 19:34:14 UTC
From: Dan Martin <nospamdwrtin@idirect.com>
Message-ID: <uffkg0dkdv98ff@corp.supernews.com>
Source record: 6026
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

Well, Carl, that could very well be the case. I know there's an icom 02at
/o24t clone or two out there.

"Carl Zager" <kb9rvb@arrl.net> wrote in message
news:77f1797e.0205310923.1bd282b0@posting.google.com...
> Isn't there a "commercial" Yaesu model HT that is/was marketed for the
> 155's and 460's which looks like an FT50RD? I thought some of the
> vendors were closing out battery packs for those a year or so ago,
> seliing them as spares for the FT50's etc.
>
> "Leland C. Scott" <no-spam@junk-mail.net> wrote in message
news:<NFVI8.48797$jm.5088882@bin6.nnrp.aus1.giganews.com>...
> > "Dan Martin" <nospamdwrtin@idirect.com> wrote in message
> > news:uf5svdkud9r837@corp.supernews.com...
> > > Well I have seen hams use out of band freqs, 151.055, 451.1875....
> > not
> > > just heard, but seen. Don't for a minute think that hams don't go out
> > of
> > > bandm they do it all the time, for various "reasons".
> >
> > And some of them may in fact be legitimate depending on the Ham. Some do
> > have license privileges to transmit on other than the Ham Bands. In one
> > case I remember seeing a Royal Oak city cop, in full uniform with side
> > arm, sitting at a table in a small restaurant on Woodward Avenue with a
> > very plainly obvious Yeasu HT. His heavy duty Motorola radio was nowhere
> > to be seen. Was he a Ham? I don't know because I didn't ask, and I
> > didn't see him making a transmissions with it while I was there to check
> > for a callsign.
> >
> >
> > --
> > Leland C. Scott
> > KC8LDO
> >
> > Saw this on a Tee-shirt:
> >
> > "I am a
> > bomb
> > technician
> > if you see me
> > running
> > try to keep up "

1303. Re: Unamerican? (was Debunking the ...)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-31 19:47:33 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3CF7D355.CF0950C4@crosslink.net>
Source record: 6027
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"Randy A. Hefner" wrote:
>
> Vito <vito@crosslink.net> wrote
> > Somebody said:
> > > > Because it is the law. ....
> > > >
> >
> > Good thing Adams, Jefferson, Madison, Monroe, Washington, et al had a
> > somewhat different attitude. :o)
> >
> > Yes, this like the rest of the thread is a mindless troll sent to
> > captivate the clueless ...
> >
> > 73 K3DWW
>
> A very narrow look at this! The men you quote all were for laws.
> They were just for laws that was balanced by representation!
>
> Talk about spin!

One fish in the basket ... any more?

1304. Re: Licensing. . . We buy at Wal mart, we don't need no stinkin lincense!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-31 21:44:45 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0205311344.ac804a1@posting.google.com>
Source record: 6028
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

Vito <vito@crosslink.net> wrote in message news:<3CF62495.788E199E@crosslink.net>...
> > stewart wrote:
> >
> > >
> > > >.... the ham VHF/UHF bands are VIRTUALLY UNUSED ....
>
> I guess that's why there is at least a 5 year wait to get a repeater
> pair coordinated on 2M even in the rural South.

Common misconception... just because they are allocated, doesn't mean they are used.

Stewart - N0MHS

1305. Re: Licensing. . . We buy at Wal mart, we don't need no stinkin lincense!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-05-31 21:50:17 UTC
From: horseshoe7@yahoo.com
Message-ID: <5f4fe4c2.0205311350.234fc09d@posting.google.com>
Source record: 6029
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

JJ <radiobuff0@mailcity.net> wrote in message news:<3CF5100B.D1EBFEDD@mailcity.net>...
> I would suggest you acquire a VHF/UHF radio that actually receives
> and listen again.

I've got plenty of good radios and antennas...

Hams better start dealing with reality - or we all are going to wake
up one day soon, and - POOF! there goes 1.25M!

Stewart - N0MHS

1306. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-01 03:08:13 UTC
From: "Leland C. Scott" <no-spam@junk-mail.net>
Message-ID: <xUWJ8.87219$Oa1.8165995@bin8.nnrp.aus1.giganews.com>
Source record: 6030
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

<Moparholic@hotmailnospam.com> wrote in message
news:20020529180022.842$ok@newsreader.com...
> "Leland C. Scott" <no-spam@junk-mail.net> wrote:
> >> --=20
> > >
> > Turn your friggin word wrap on,Leland!
> >
> > It's only OE..sheesh

I have it set the same as my work machine. I wonder if it has somthing to do with the particular news server I'm using. My work QTH went through a different news server than the one I use at home. Since my work place upgraded to a full T1 Internet connection I can't use the company's old ISP's news server because our current Internet ISP is a different company.

--
Leland C. Scott
KC8LDO

Saw this on a Tee-shirt:

"I am a
bomb
technician
if you see me
running
try to keep up "

1307. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-01 03:12:24 UTC
From: "Leland C. Scott" <no-spam@junk-mail.net>
Message-ID: <sYWJ8.86236$%o.8185826@bin3.nnrp.aus1.giganews.com>
Source record: 6031
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"Dan Martin" <nospamdwrtin@idirect.com> wrote in message
news:ufamill6tl6692@corp.supernews.com...
> I'm not trying to call you out on this, just make you aware that just
> becuase hams have thousands of freqs available, doesn't for a minute mean
> they won't wander. I will conceed that many hams take a dim view of this,
> but there are plenty that don't.

I see your point. There are rule busters on both sides of the fence, I feel there are far fewer of them on the Ham side however.

--
Leland C. Scott
KC8LDO

Saw this on a Tee-shirt:

"I am a
bomb
technician
if you see me
running
try to keep up "

1308. help

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-02 13:56:35 UTC
From: J & P <lhuang2002@rogers.com>
Message-ID: <nupK8.381$QZ3.77483@news20.bellglobal.com>
Source record: 6032

I got a DCAM-10 digital camera. Does any body knows the producer and where I can get driver for this digital camera? Thank you in advance.

1309. Re: help

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-02 19:35:57 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0206021936000.17960-100000@exp.bde-arc.ampr.org>
Source record: 6033

On Sun, 2 Jun 2002, J & P wrote:
>I got a DCAM-10 digital camera. Does any body knows the producer and where I
>can get driver for this digital camera? Thank you in advance.

Wrong newsgroup. That device has nothing to do with radio.

1310. Re: Is APRS always 1200 baud?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-02 20:07:49 UTC
From: Robert Miles <rmiles@zetnet.co.uk>
Message-ID: <oi0eda.83i.ln@192.168.1.1>
Source record: 6034

Thought it was 300 bd on HF?
There was feature in MSYS where you could beacon in APRS format.. that was
300 Bd

Bob
GM4CAQ

"John" <johnfofawn@hotmail.com> wrote in message
news:d89364bd.0205290610.6c2bf8b0@posting.google.com...
> nomail@pe1chl.ampr.org (Rob Janssen) wrote in message
news:<slrnae82u3.j8a.nomail@linux.pe1chl.ampr.org>...
> > John <johnfofawn@hotmail.com> wrote:
> > >I have complex (IQ) samples. I think I need a demod to get to symbols
> > >and a decoder to get to bits/text. Right?
> >
> > Well, you will have several layers in that case...
> >
> > First you need to demodulate the samples as NBFM audio (probably not the
> > first choice to do that using DSP from IQ samples, but of course
possible).
> >
> > Then you have a 1200/2200 Hz FSK signal (1200 baud) that you demodulate
> > to ones and zeroes and recover the clocking info.
>
> My receiver doesn't supply FM demodulated audio, so I'll write an FM
> demodulator along with an FSK demodulator to produce the bits.
>
> I see that there is 1200 baud, 2400 baud, and 9600 baud packet.
>
> In the US on 144.39 is APRS *always* 1200 baud?
>
> Thanks,
> John

1311. Re: Debunking the MURS/GMRS/FRS Amplifier Myth

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-03 12:13:06 UTC
From: Dave Hall <nojunk_n3cvj@worldlynx.net>
Message-ID: <3CFB5D52.3A3@worldlynx.net>
Source record: 6035
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

Stan wrote:
>
> On Thu, 30 May 2002 07:37:07 -0400, Dave Hall <nojunk_n3cvj@worldlynx.net>
> wrote:
>
> >What will ultimately kill GMRS is the increasing marketing of cheap
> >"bubble pack" radios, with the predictable resultant rise in illegal
> >activity. The FCC, will once again run rather than fight, and will most
> >likely deregulate the band, and that will be the final death knell for a
> >once usable band.
>
> Would it *really* become as bad as CB? Back when I messed around with CB
> in the late '70s, I heard the all too familiar rigs with amps ("You have a
> Blue Flame", god I hate that bastard to this day). I just wonder, as the
> vast majority of GMRS and FRS units being sold are hand held, is there
> really a concern that a large number of these units will one day be
> walking around with amps strapped to them? I could see it with CB, since
> most units were either base or mobile mounted, but with GMRS or FRS, it
> just doesn't sound like a practical thing to do even from a CB'er mindset.

Well, time will tell. While I don't expect kilowatt stations to take over GMRS, there will most likely be a vast increase in the "noise level" on once quiet frequencies.

The whole CB "phenomenon", is mainly made up of a bunch of different people, looking for different things. GMRS lacks the DX potential, so those type of people will not be attracted to GMRS. But people looking to broaden their radio horizons (without having to take the "cursed" ham test) may be attracted to this alternative.

The people who will be attracted to GMRS will be the same people that became interested in FRS, namely those who want clear quiet communications, or who want to yack it up with the locals. The range on FRS is a bit dismal, so the allure of higher power GMRS radios (not all of which are handheld), may be enticing.

Since most legal GMRS users belong to a community repeater system to get the best coverage from their handheld radios, illegal GMRS users, will have to "Go it alone" on simplex. The only alternative to a repeater system, is to run higher power. With UHF, terrain makes a big difference, and high power doesn't always guarantee a huge jump in range, but that won't stop some people from trying. Higher power is a bit more expensive at UHF frequencies, but I wouldn't be surprised to see people running power in the 100 to 300 watt range.

But like I said before, time will tell..

Dave

1312. Saving gramophone records on CD?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-03 18:03:37 UTC
From: bpasaric@mac.com
Message-ID: <1fd7wke.1b8m6no1vuc3p8N%bpasaric@mac.com>
Source record: 6036

I suppose this is the right group to post the following question: I have a large sellection of gramophone records, some of them very rare. Now that record players have come out of sale and fashion, I am thinking about transferring some of my favourite records to CD. That means going from analog to digital. Has anybody tried something similar and not too complicated? I am quite at home with electonics and ready to solder up the necessary equipment. Any suggestions or experience so far? Thanks, Bozidar

1313. Re: Saving gramophone records on CD?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-03 18:49:20 UTC
From: Ron <no-spam@nospamX.com>
Message-ID: <QSOK8.470$Ac2.280143@news7.onvoy.net>
Source record: 6037

Your stereo system should have a 'tape out' jack. When playing records on your system this will be the correct output level from these jacks to feed into your 'line in' on your computer's sound card.

There are many free applications which will permit you to record this to wave files or even to mp3 files. If you record to mp3 you can achieve a 10 to 1 compression permitting you to put 10 hours of stereo music on a single CD.

The paid version of EZ CD Creator also includes a function to remove the click and scratch sounds.

If you have a lot of records this is going to take a lot of time!

Ron

"Bozidar Pasaric" <bpasaric@mac.com> wrote in message news:1fd7wke.1b8m6no1vuc3p8N%bpasaric@mac.com...
> I suppose this is the right group to post the following question: I have
> a large sellection of gramophone records, some of them very rare. Now
> that record players have come out of sale and fashion, I am thinking
> about transferring some of my favourite records to CD. That means going
> from analog to digital. Has anybody tried something similar and not too
> complicated? I am quite at home with electonics and ready to solder up
> the necessary equipment. Any suggestions or experience so far? Thanks,
> Bozidar

1314. Problem with AGWPE....Any Suggestions?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-04 00:38:13 UTC
From: indy465@yahoo.com
Message-ID: <877dc28c.0206031638.38058e90@posting.google.com>
Source record: 6038
Cross-posted to: alt.ham-radio.vhf-uhf,rec.radio.amateur.misc,alt.ham-radio.packet,rec.radio.amateur.digital.misc

Hi everyone.

I've been playing around with AGWPE on my desktop and laptop for the last couple of days with quite a bit of success. I have been having problems, however, with AGWPE detecting incoming packets from my radio. Here's the situation that I've been experiencing with both my laptop and my desktop. When using AGWPE, it appears as though the program is detecting about half of the incoming packets and ignoring the other half. When I hear an incoming packet over the computer speakers, there's about a 50/50 chance that AGWPE will detect the packet. Interestingly, I can't hear any difference between packets that AGWPE will detect and those that it won't. The packets that aren't detected by AGWPE are received at the same volume and signal strength as those that are detected, so I can't quite figure out what's going on. By the way, to judge whether AGWPE is detecting a packet, I'm looking not only at the green indicator on the TNC symbol in the menu bar, but also AGWTerminal which I'm running to verify that those packets that are being detected are being displayed properly.

Thanks in advance to anyone who may have some suggestions!

1315. Re: Problem with AGWPE....Any Suggestions?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-04 16:10:41 UTC
From: Elcid <gator2@webmail.co.za>
Message-ID: <adioq6$11h4u0$1@ID-128558.news.dfncis.de>
Source record: 6039
Cross-posted to: alt.ham-radio.vhf-uhf,rec.radio.amateur.misc,alt.ham-radio.packet,rec.radio.amateur.digital.misc

Using WinPack and APRS with AGWPE ,I don't seem
to have that problem. However, from time to time I have
to re unzip and reinstall as some other strange things will
happen. I am of course using a sound-card program.
Luck :-)

<indy465@yahoo.com> wrote in message
news:877dc28c.0206031638.38058e90@posting.google.com...
> Hi everyone.
>
> I've been playing around with AGWPE on my desktop and laptop for the
> last couple of days with quite a bit of success. I have been having
> problems, however, with AGWPE detecting incoming packets from my
> radio. Here's the situation that I've been experiencing with both my
> laptop and my desktop. When using AGWPE, it appears as though the
> program is detecting about half of the incoming packets and ignoring
> the other half. When I hear an incoming packet over the computer
> speakers, there's about a 50/50 chance that AGWPE will detect the
> packet. Interestingly, I can't hear any difference between packets
> that AGWPE will detect and those that it won't. The packets that
> aren't detected by AGWPE are received at the same volume and signal
> strength as those that are detected, so I can't quite figure out
> what's going on. By the way, to judge whether AGWPE is detecting a
> packet, I'm looking not only at the green indicator on the TNC symbol
> in the menu bar, but also AGWTerminal which I'm running to verify
> that those packets that are being detected are being displayed
> properly.
>
> Thanks in advance to anyone who may have some suggestions!

1316. New to PSK, LOVE IT!!!!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-04 17:55:21 UTC
From: N4IXT <n4ixt@arrl.net>
Message-ID: <adiv0v$11gfs2$1@ID-105647.news.dfncis.de>
Source record: 6040

Howdy all,

I bought a Rigblaster Nomic sometime back, but hadn't gotten around to actually hooking it up until recently. Last Friday I built a computer out of spare parts I had laying around (P II, 64 mb ram, 4 gig HD, Win ME). Sat it next to the PC, with the intention of using it primarily to look up call signs on the net while scanning the bands.

While I was at it, I hooked up the Rigblaster, downloaded and installed Digipan, and gave PSK a try. Now I'm an addict! Since Saturday night I've worked 7 new countries plus several stateside contacts, on my vertical antenna using 30 to 50 watts of power. Absolutely amazing! All in probably 3 hours of operating time, max.

Want to try out some of the other digital modes, but at the same time having so much fun on PSK don't want to stop!

For my next trick I want to install some remote control software on my ham PC. Then I can take my laptop to the living room or back porch, hook my it up to my home network and use it to take control of the ham PC. Then I can do PSK from the comfort of my couch, or while out on the back porch enjoying the nice weather!

Anyone have any tips or suggestions for a new PSK addict?

And are there any PSK nets?

73's

Robert / N4IXT

1317. ACARS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-04 20:36:42 UTC
From: Steve Bossert <kc2gog@amsat.org>
Message-ID: <ux9L8.17550$tK.4030096@news02.optonline.net>
Source record: 6041

I couldnt find a SIG dedicated to ACARS operation, so i figured if i ask i might get help

is it possible to use the kenwood th-d7ag or tm-d700m to decode ACARS transmissions on 131.550 in AM mode.

I can do it with my TNC and the audio out on my scanner

any help would be appreciated

1318. Re: Problem with AGWPE....Any Suggestions?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-04 21:59:08 UTC
From: HB9TLK <me@privacy.net>
Message-ID: <1023228114.104628@ddba012.netstream.ch>
Source record: 6042
Cross-posted to: alt.ham-radio.vhf-uhf,rec.radio.amateur.misc,alt.ham-radio.packet,rec.radio.amateur.digital.misc

try this one:

http://www.qsl.net/hb9tlk/packet.zip

does it loose packets as well?

1319. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-05 00:18:10 UTC
From: Dan/W4NTI <w4nti@mindspringnospam.com>
Message-ID: <adjlbk$fb0$1@slb3.atl.mindspring.net>
Source record: 6043
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

Good point... hi.

Dan/W4NTI

"Jar Jar Binks" <Anon@anon.com> wrote in message
news:acn071$kc3$0@pita.alt.net...
>
> "Dan/W4NTI" <w4nti@mindspringnospam.com> wrote in message
> news:acm8os$73o$1@slb3.atl.mindspring.net...
> > Not really...it means we can get rid of those that want to order a pizza
> via
> > the autopatch, those that have no idea at all what ham radio is
supposed
> to
> > be, and maybe we could use some thinning out and getting back
> > to basic. Then maybe the un-informed crabbing about what the 'service'
is
> > all about will stop because those that are left will actually have read
> part
> > 97.
> >
> > Dan/W4NTI
>
> Then all that will be left will be the sour-puss old farts who argue,
piss,
> moan, threaten, call names, live in the past, etc. You know...like the
types
> that got booted off 14.313? For "crabbing"?
>
>

1320. Re: Saving gramophone records on CD?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-05 09:18:52 UTC
From: bpasaric@mac.com
Message-ID: <1fdaxsv.svrk2p19hzycqN%bpasaric@mac.com>
Source record: 6044

Ron <no-spam@nospamX.com> wrote:

> Your stereo system should have a 'tape out' jack. When playing records on
> your system this will be the correct output level from these jacks to feed
> into your 'line in' on your computer's sound card.
>
> There are many free applications which will permit you to record this to
> wave files or even to mp3 files. If you record to mp3 you can achieve a 10
> to 1 compression permitting you to put 10 hours of stereo music on a single
> CD.
>
> The paid version of EZ CD Creator also includes a function to remove the
> click and scratch sounds.
>
> If you have a lot of records this is going to take a lot of time!

Hi Ron!
Thank you for your prompt answer. Your information is very useful. That
is all I need. I am retired, so I have enough time to save my favourite
music. Best wishes,
Bozidar

1321. Re: WEFAX and PSK31 Software Recommendations?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-05 09:37:13 UTC
From: Martin <mab@delete-this.capita.nildram.co.uk>
Message-ID: <ufrmu4bp1ersd8@corp.supernews.com>
Source record: 6045

"Rob" <Pse@NoEmail.Com> wrote in message
news:Py9J8.1806$H67.9993@tor-nn1.netcom.ca...
> You may want to try Hamscope at
http://users.mesatop.com/~ghansen/ for RTTY,
> ASCII, PSK31, Packet, MFSK16. All you need is your sound
card. Best of all
> it is free.
>
> (Another multimode program is MixW32 but it is $$$ware)
>

It is very good and not a lot of $$$$ - well worth a look...

Martin

1322. Wanted: TNCs

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-05 10:21:27 UTC
From: Charlie 2E0PZT <charlie.davy@btopenworld.com>
Message-ID: <98d8a22a4b2045e5b7fab2035a8e75b5.86606@mygate.mailgate.org>
Source record: 6046

The Essex Packet Group are putting a Node at my QTH and we need help
in getting some S/H TNCs (TINY-2 or BSX) that can have a JKISS EPROM put
into it so that it can run on a BPQ Node?

I really don't want to get new ones, but I will if I have to.

If you can help, please reply or send an direct e-mail.

Thanks ever-so-much...

Charlie 2E0PZT
2e0pzt@qsl.net

--
Posted via Mailgate.ORG Server - http://www.Mailgate.ORG

1323. I NEED A TNC OR TRACKER

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-05 18:30:04 UTC
From: mhgidwani@aol.com
Message-ID: <20020605143004.04286.00002468@mb-fh.aol.com>
Source record: 6047

I NEED A TNC OR TRACKER FOR DONATION OR UNDER $20 I NEED IT FOR APRS FOR SEARCH AND RESCUE

- KD7LDH

1324. RTTY interface "ground loop free"

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-06 15:26:37 UTC
From: Paolo Rizzato <rospez71@yahoo.com>
Message-ID: <c148931d5d715ddd59306257b4896a45.92228@mygate.mailgate.org>
Source record: 6048

Hi all,
i have made an interface for TS940 + Sound Blaster that supports
A/FSK,(may be simply modified for any rig) works great, and finally
stopped all the problems dure to ground loops, keyboard look and so
on...
For wiring diagrams and info, a look at http://www.ik3qar.it on "RTTY"
section.

Hope it will be helpful.
Please add any critics, comments suggestions are appreciated!

73's de Paolo ik3qar

--
Posted via Mailgate.ORG Server - http://www.Mailgate.ORG

1325. Using narrow filters with TS940 in digital modes

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-06 20:14:10 UTC
From: Rob <Pse@NoEmail.Com>
Message-ID: <OoPL8.2663$H67.14122@tor-nn1.netcom.ca>
Source record: 6049
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.homebrew

Has anyone figured out a way to use the narrow filters of the TS940 in the digital modes (using AFSK, etc). Is there a mod available?

Right now you can only use the TS940 narrow filters in CW and FSK. Not very good for PSK31, etc.

73
Rob

1326. New radiofax info available

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-06 20:21:12 UTC
From: "Timothy.Rulon" <Timothy.Rulon@noaa.gov>
Message-ID: <3CFFC437.F7CE52D6@noaa.gov>
Source record: 6050
Cross-posted to: rec.boats.cruising,rec.radio.shortwave,rec.boats.electronics,rec.radio.amateur.digital.misc

FYI...

A new version of "Worldwide Radiofacsimile Broadcast Schedules" dated
June 06, 2002 may be found at:
http://www.nws.noaa.gov/om/marine/radiofax.htm

also please visit: http://www.nws.noaa.gov/om/marine/home.htm

for marine forecasts and broadcast information

Tim Rulon (WA2KQD)
U.S. National Weather Service
301-713-1677 x128
301-713-1598 (fax)
timothy.rulon@noaa.gov
marine.weather@noaa.gov
http://www.nws.noaa.gov/om/marine/home.htm

1327. Re: WEFAX and PSK31 Software Recommendations?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-06 20:33:03 UTC
From: "Timothy.Rulon" <Timothy.Rulon@noaa.gov>
Message-ID: <3CFFC6FF.E3D65A9@noaa.gov>
Source record: 5951

FYI...

See the following link for a listing of available radiofax programs

http://www.nws.noaa.gov/om/marine/radiofax.htm

Any questions please e-mail or call.

Tim Rulon, NOAA
301-713-1677 x128
301-713-1598 (fax)
timothy.rulon@noaa.gov
marine.weather@noaa.gov
http://www.nws.noaa.gov/om/marine/home.htm

Martin wrote:

> "Rob" <Pse@NoEmail.Com> wrote in message
> news:Py9J8.1806$H67.9993@tor-nn1.netcom.ca...
> > You may want to try Hamscope at
> http://users.mesatop.com/~ghansen/ for RTTY,
> > ASCII, PSK31, Packet, MFSK16. All you need is your sound
> card. Best of all
> > it is free.
> >
> > (Another multimode program is MixW32 but it is $$$ware)
> >
>
> It is very good and not a lot of $$$$ - well worth a look...
>
> Martin

1328. Blende und Belichtungszeit bei Digitalcameras

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-06 21:37:59 UTC
From: Raik Hoffmann <raik.hoffmann@cpp-community.com>
Message-ID: <adojm8ehk1@rks1.urz.tu-dresden.de>
Source record: 5952
Cross-posted to: de.alt.rec.digitalfotografie,rec.photo.digital,rec.radio.amateur.digital.misc

Hallo,

ich will mir eine Digitalcamera holen.
K�nnt ihr mir da etwas empfehlen?

Ich hatte mir die Sony DSC-P5 oder DSC-P9 angeschaut und die haben mir wirklich gut gefallen.
Allerdings ist bei denen Blende und Belichtungszeit nur automatisch. :-(
Die P9 hat immerhin noch 4 w�hlbare Programme daf�r.
Aber wenn man grad in der D�mmerung etwas experimentieren will - geht das mit diesen Kameras?

Kann mir da jemand empfehlen, ob ich da lieber die H�nde davon lassen soll?
Und welche Kameras h�tten manuell einstellbare Blende und Belichtungszeit und sind empfehlenswert?

Vielen Dank f�r eure Tips,
Raik

1329. Re: Blende und Belichtungszeit bei Digitalcameras

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-06 21:56:52 UTC
From: Cristian M�ller <c.f.mueller@t-online.de>
Message-ID: <adolkl$lv3$00$1@news.t-online.com>
Source record: 5953
Cross-posted to: de.alt.rec.digitalfotografie,rec.photo.digital,rec.radio.amateur.digital.misc

Hallo!
Ich empfehle die Minolta Dimage 304. Die ist zwar nicht gerade sehr klein,
aber fast alles auch manuell einstellbar.
Und fï¿½r einen rel. gï¿½nstigen Preis(500-600Euro). Schau mal bei
Digitalkamera.de.
Gruss
Cris
"Raik Hoffmann" <raik.hoffmann@cpp-community.com> schrieb im Newsbeitrag
news:adojm8ehk1@rks1.urz.tu-dresden.de...
> Hallo,
>
> ich will mir eine Digitalcamera holen.
> Kï¿½nnt ihr mir da etwas empfehlen?
>
> Ich hatte mir die Sony DSC-P5 oder DSC-P9 angeschaut und die haben mir
> wirklich gut gefallen.
> Allerdings ist bei denen Blende und Belichtungszeit nur automatisch. :-(
> Die P9 hat immerhin noch 4 wï¿½hlbare Programme dafï¿½r.
> Aber wenn man grad in der Dï¿½mmerung etwas experimentieren will - geht das
> mit diesen Kameras?
>
> Kann mir da jemand empfehlen, ob ich da lieber die Hï¿½nde davon lassen
soll?
> Und welche Kameras hï¿½tten manuell einstellbare Blende und Belichtungszeit
> und sind empfehlenswert?
>
> Vielen Dank fï¿½r eure Tips,
> Raik
>
>
>

1330. Re: Using narrow filters with TS940 in digital modes

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-07 02:12:15 UTC
From: abockelm@optonline.net
Message-ID: <3d001588.46780297@news.optonline.net>
Source record: 5954
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.homebrew

On Thu, 6 Jun 2002 16:14:10 -0400, "Rob" <Pse@NoEmail.Com> wrote:

Yes, and no mod required. You use split frequency. Put the
receive freq. in the A VOR in cw mode and use the B VOR in USB
for the send side. You must increase the frequency in B VOR by
appx. 85 Hz. to compensate for the offset in the CW mode. Refer
to your manual to see how to do split frequency. It works very
well.

Al, K2ES

>Has anyone figured out a way to use the narrow filters of the TS940 in the
>digital modes (using AFSK, etc). Is there a mod available?
>
>Right now you can only use the TS940 narrow filters in CW and FSK. Not very
>good for PSK31, etc.
>
>73
>Rob
>
>
>

1331. Re: New to PSK, LOVE IT!!!!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-07 02:44:31 UTC
From: David Cook <nospam.davepc2@oz.net>
Message-ID: <i6VL8.125918$cQ3.4076@sccrnsc01>
Source record: 5955

Hi Robert, it's great to hear how much fun PSK31 is to discover. You might be interested in having a look at my Remote WinPSKX ActiveX control experiment. The writeup is at http://www.netdave.com/wa0ttn/WinPSKXRem.asp. I actually kind of lost interest in it after I proved the concept. But it does exactly what you described, for the very same reasons :-)

73,
-- Dave, WA0TTN

"N4IXT" <n4ixt@arrl.net> wrote in message
news:adiv0v$11gfs2$1@ID-105647.news.dfncis.de...
> Howdy all,
>
> I bought a Rigblaster Nomic sometime back, but hadn't gotten around to
> actually hooking it up until recently. Last Friday I built a computer out
of
> spare parts I had laying around (P II, 64 mb ram, 4 gig HD, Win ME). Sat
it
> next to the PC, with the intention of using it primarily to look up call
> signs on the net while scanning the bands.
>
> While I was at it, I hooked up the Rigblaster, downloaded and installed
> Digipan, and gave PSK a try. Now I'm an addict! Since Saturday night I've
> worked 7 new countries plus several stateside contacts, on my vertical
> antenna using 30 to 50 watts of power. Absolutely amazing! All in probably
3
> hours of operating time, max.
>
> Want to try out some of the other digital modes, but at the same time
having
> so much fun on PSK don't want to stop!
>
> For my next trick I want to install some remote control software on my ham
> PC. Then I can take my laptop to the living room or back porch, hook my it
> up to my home network and use it to take control of the ham PC. Then I can
> do PSK from the comfort of my couch, or while out on the back porch
enjoying
> the nice weather!
>
> Anyone have any tips or suggestions for a new PSK addict?
>
> And are there any PSK nets?
>
> 73's
>

> Robert / N4IXT
>
>
>
>

1332. Re: Blende und Belichtungszeit bei Digitalcameras

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-07 06:44:37 UTC
From: Dieter Schweiss <schweiss.mannheim@arcor.de>
Message-ID: <adpkon$17gvu$1@ID-23786.news.dfncis.de>
Source record: 5956
Cross-posted to: de.alt.rec.digitalfotografie,rec.photo.digital,rec.radio.amateur.digital.misc

"Raik Hoffmann" <raik.hoffmann@cpp-community.com> schrieb im
Newsbeitrag news:adojm8ehk1@rks1.urz.tu-dresden.de...

> ich will mir eine Digitalcamera holen.
> K�nnt ihr mir da etwas empfehlen?

Fuji FinePix 6900 Z

- Automatikprogramme
- Vollautomatik (shiftbar)
- Teilautomatik
- Zeit Manuell
- Blende Manuell
- Autofokus
- Man. Fokus (aber nicht sehr hilfreich)
- ext. Blitzanschluss
- hochwertig verarbeitet
- SuperCCD-Chip (super Bildqualit�t)
- el. Sucher und hochwertiges Display

F�r manchen ist die Verwendung von SmartMediaCards als Nachteil zu
bewerten, ich hatte damit allerdings kein Problem. Mit dem optional
erh�ltlichen Ladeger�t sind die Akkus schnell wieder voll. Das Display
ist leider nicht schwenkbar, aber auch damit kann ich gut leben.

Die Farben kommen realistisch. Die Umschaltung auf verschiedene
Lichtquellen ist sinnvoll. Der automatische Weissabgleich funktioniert
bei Tageslicht einwandfrei, bei Kunstlicht sollte man selbst
eingreifen.

100, 200 und 400 Iso sind als Empfindlichkeit m�glich. K�nnte �ppiger
sein, man kommt aber gut damit zurecht.

Das eingebaute Blitzlicht ist ... naja, kauf Dir einen Metz dazu und
du bekommst sehr gute Ergebnisse.

Im analogen Bereich setzte ich eine EOS 3 ein, meine
Qualit�tsanspr�che sind damit wohl dokumentiert. Im digitalen Bereich
habe ich einiges ausprobiert und am Ende bei der Fuji geblieben.

So, ich hoffe, du konntest damit was anfangen.

Gr��e
Dieter

--
Absendermail nicht antwortf&#65533;hig !
Adresse gibt's auf Anfrage in der NG

1333. Re: New radiofax info available

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-07 14:14:48 UTC
From: Charlie <jtbmarine@hotmail.com>
Message-ID: <sd3M8.999$a11.940@nwrddc01.gnilink.net>
Source record: 5957
Cross-posted to: rec.boats.cruising,rec.radio.shortwave,rec.boats.electronics,rec.radio.amateur.digital.misc

Tim-
Thanks for taking the time to keep us informed on developments in the wefax world...I appreciate your effort.
73-
Charlie
KS4VB

1334. Re: New radiofax info available

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-08 03:07:09 UTC
From: Adam Alicajic <alicajic.adam@pu.hinet.hr>
Message-ID: <adqsnv$40jd$1@as201.hinet.hr>
Source record: 5958
Cross-posted to: rec.boats.cruising,rec.radio.shortwave,rec.boats.electronics,rec.radio.amateur.digital.misc

Thanks a lot
ex 9A4QV/mm, Adam

1335. "PING" in APRS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-08 21:01:49 UTC
From: indy465@yahoo.com
Message-ID: <877dc28c.0206081301.5af1a333@posting.google.com>
Source record: 5959
Cross-posted to:
rec.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.digital.misc,alt.ham-radio.packet,alt.ham-radio.vhf-uhf

I'm still relatively new to packet and APRS, so I'm not familiar with all of the commands that exist in the APRS protocol. Hopefully someone can help me out with a few questions that I've come up with over the last couple of days.

First, can someone explain how to "ping" another APRS station or an APRS digipeater? What I mean by "ping" is that I'd just like to know whether or not my signal is being picked up by a specific station or digipeater. Also, if I'm operating my mobile APRS station from a location where I'm not sure of the digipeater layout, is there some type of general "ping" message that I could send out to see if there are any other APRS digipeaters in the area?

Also, in looking at APRS messages that have come across my station, I've noticed two words that are occasionally used in APRS address lines, "BEACON" and "TCPIP". Could someone please explain these and how/why they are used in an address?

Thanks!

1336. Re: "PING" in APRS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-08 21:22:24 UTC
From: David Little <dalite01@sprynet.com>
Message-ID: <adtskn$140$1@slb0.atl.mindspring.net>
Source record: 5960
Cross-posted to:
rec.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.digital.misc,alt.ham-radio.packet,alt.ham-radio.vhf-uhf

If my understanding is correct......

If TRACE is included in a station's UNPROTO path, the command ?PING? can be sent in a message to that station, and the return path will be sent back as a reply.

I am sure someone else can give a better description.....

<indy465@yahoo.com> wrote in message news:877dc28c.0206081301.5af1a333@posting.google.com...
> I'm still relatively new to packet and APRS, so I'm not familiar with
> all of the commands that exist in the APRS protocol. Hopefully
> someone can help me out with a few questions that I've come up with
> over the last couple of days.
>
> First, can someone explain how to "ping" another APRS station or an
> APRS digipeater? What I mean by "ping" is that I'd just like to know
> whether or not my signal is being picked up by a specific station or
> digipeater. Also, if I'm operating my mobile APRS station from a
> location where I'm not sure of the digipeater layout, is there some
> type of general "ping" message that I could send out to see if
> there are any other APRS digipeaters in the area?
>
> Also, in looking at APRS messages that have come across my station,
> I've noticed two words that are occasionally used in APRS address
> lines, "BEACON" and "TCPIP". Could someone please explain these and
> how/why they are used in an address?
>
> Thanks!

1337. 4 SALE HICKOCK FREQ COUNTER 10-500MHZ

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-08 23:13:49 UTC
From: WILLIAM C FORVIK <n0mnb@email.msn.com>
Message-ID: <OGk9BmzDCHA.1868@cpimsnntpa03>
Source record: 5961
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc

GOOD CONDITION 50$ B/O SENSITIVE..
N0MNB@AMSAT.ORG

1338. Re: "PING" in APRS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-09 05:36:43 UTC
From: Ian Wade <ian.wade@netro.co.uk>
Message-ID: <uXTGkmArluA9EwIJ@netro.co.uk>
Source record: 5962
Cross-posted to:
rec.radio.amateur,rec.radio.amateur.misc,rec.radio.amateur.digital.misc,alt.ham-radio.packet,alt.ham-radio.vhf-uhf

In message <877dc28c.0206081301.5af1a333@posting.google.com>,
"indy465@yahoo.com" <indy465@yahoo.com> writes
>I'm still relatively new to packet and APRS, so I'm not familiar with
>all of the commands that exist in the APRS protocol.

Hi Indy465. The place to look for answers to all your questions is the
full APRS Protocol Specification, at:

http://www.tapr.org/tapr/html/aprswg.html

--
73
Ian, G3NRW

Author of "NOSintro -- TCP/IP over Packet Radio"
http://www.ian.wade.care4free.net/nosintro.htm

1339. Re: Urgent News Flash

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-10 19:59:49 UTC
From: N3UE - Ed <N3UE@breezeshooters.net>
Message-ID: <Vy7N8.2026$6m5.476@rwcrnsc51.ops.asp.att.net>
Source record: 5963

If you believe this idiot, then you should just burn and bury your computer!

--

Ed Wolf - ars:N3UE - NA40+TR.PA
http://doit.pgh.net/~wolfie/
http://www.breezeshooters.net
http://www.breezeshooters.com
http://home.attbi.com/~nosatern/

<Adndrew@novaresponse.com.au> wrote in message
news:09060223.3914@novaresponse.com.au...
> DONT RISK EVERYTHING - Protect Yourself and Your Family
>
> The government has installed BLACK BOXES into ISPs to watch your
> Internet surfing.
>
> If you think you have cleaned your computer - you are WRONG.
>
> They can recover from your PC every single picture or item you have
> ever watched on the Internet.
>
> You need protection. You need an Evidence Eliminator.
>
> Click Here.
>
> http://www.geocities.com/secre234/
>
>

1340. Rigblaster problems

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-11 02:06:24 UTC
From: wf3h@ptd.net
Message-ID: <3d055a40.96465617@news.ptdprolog.net>
Source record: 5964

Well, here's the deal.

I have an IC 756 ProII. My rigblaster was working, but my old rig, and computer got zapped by lightening last year. Rigblaster continued to work but quit about a month ago...replaced the connector to the righ (8 pin mike connector). Vox and footswitch both work fine when mike is connected to rig.

When mike is connected thru rigblaster, the vox works fine. However, the computer wont trip the transmit to send audio to the rig. I tried a different 25 pin RS232 cable between computer and rigblaster. Config is set up for com 1 which is correct com port. Soundcard on computer is putting out plenty of audio.

Anybody got a solution? Thanks

Bob/WF3H

To find out who 'wf3h' is, go to 'qrz.com'
and enter 'wf3h' in the field.

1341. Re: WEFAX and PSK31 Software Recommendations?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-11 03:59:45 UTC
From: SSTVSWL <SSTVSWL@attbi.com>
Message-ID: <RAeN8.156194$cQ3.3877@sccrnsc01>
Source record: 5965

http://home.attbi.com/~SSTVSWL1/8682khz.jpg

1342. Need help with PK-88

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-11 06:47:12 UTC
From: kc4yoy@trellis.net
Message-ID: <d98f9107.0206102247.f873a29@posting.google.com>
Source record: 5966

I need some help with my PK-88.

I'm trying to get my packet station back on-line and
I'm having a problem with the TNC.

A while back I had a problem where the TNC locked up.
After trying several fixes a friend said to do a hard reset
and maybe that would take care of it.
Well, now the TNC won't work at all.
When I turn on the TNC I get the standard command
asking for a * to set autobaud.
When I give it the *, nothing happens.
I've tried it with 2 different PC's and get the same
result.

Anyone got any ideas of what's wrong, besides an
"Operator Malfunction".

Thanks in advance for your help.

73, Ron KC4YOY

1343. Re: Need help with PK-88

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-11 10:05:47 UTC
From: Mike <mlaw3825@earthlink.net>
Message-ID: <%XjN8.637$gS.614@newsread1.prod.itd.earthlink.net>
Source record: 5967

Ron, no worries! Wait until you get this thing stuck in MULT mode. Then its kinda a pain to get it back to the cmd mode. Anyway. Try using HyperTerminal in Windows to do this. At the CMD type in RESTART, if all goes well, you should get something like this....

AEA PK-88 Packet Controller
AX.25 Level 2 Version 2.0
Copyright (C) 1986-1991 by
Advanced Electronic Applications, Inc.
Release 23.AUG.91 *

But, if it goes into MULT mode, download PKDEMO.exe from www.qrz.com/PKGOLD/ unzip it and run the program. When it ask you if you want to hear the tones, hit no. then it will ask you if you want to initiate the TNC, hit yes. and follow the instructions. it will take about 5 seconds for it to re-initialize the TNC and it will be back to normal. Go ahead and use that program for packet. Its a nice program, but only runs for 30 minutes. after you get it fixed you can use other packet programs without worry. if the TNC locks up again, use PKDEMO to fix it. This is what I had to do a month ago and another ham on another newsgroup had the same problem.. He reported everything fine when he tried PKDEMO. So, good luck and give me a holler if you have anymore ???'s
73's!
Mike
From the desk of KC2JGA

"Ron" <kc4yoy@trellis.net> wrote in message news:d98f9107.0206102247.f873a29@posting.google.com...
> I need some help with my PK-88.
>
> I'm trying to get my packet station back on-line and
> I'm having a problem with the TNC.
>
> A while back I had a problem where the TNC locked up.
> After trying several fixes a friend said to do a hard reset
> and maybe that would take care of it.
> Well, now the TNC won't work at all.
> When I turn on the TNC I get the standard command
> asking for a * to set autobaud.
> When I give it the *, nothing happens.
> I've tried it with 2 different PC's and get the same
> result.
>
> Anyone got any ideas of what's wrong, besides an
> "Operator Malfunction".

>
> Thanks in advance for your help.
>
> 73, Ron KC4YOY
>

1344. Re: Need help with PK-88

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-11 10:56:21 UTC
From: "Gary P. Fiber" <foo@bar.invalid>
Message-ID: <kolbguskgbsefi1bohgtnul2sklkn96ee8@4ax.com>
Source record: 5968

I think you need to use the * on the keyboard not the number pad for
autobaud. Hold the shift button and hit the * several times.

Gary K8IZ

On 10 Jun 2002 23:47:12 -0700, kc4yoy@trellis.net (Ron) wrote:

>I need some help with my PK-88.
>
>I'm trying to get my packet station back on-line and
>I'm having a problem with the TNC.
>
>A while back I had a problem where the TNC locked up.
>After trying several fixes a friend said to do a hard reset
>and maybe that would take care of it.
>Well, now the TNC won't work at all.
>When I turn on the TNC I get the standard command
>asking for a * to set autobaud.
>When I give it the *, nothing happens.
>I've tried it with 2 different PC's and get the same
>result.
>
>Anyone got any ideas of what's wrong, besides an
>"Operator Malfunction".
>
>Thanks in advance for your help.
>
>73, Ron KC4YOY

1345. CW via PC?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-11 15:29:50 UTC
From: leigh@media.keele.ac.uk
Message-ID: <ae551d$f34$2@planet.kis.keele.ac.uk>
Source record: 5969

Sorry in advance to any purists but can anyone suggest a good piece of software that will both allow you to receive and decode CW into text form as well as type (the person using the software actually uses a modified keyboard for one-hand use similar to a 'stenographers' due to a disability) on a keyboard that, via the appropriate serial interface, will key the radio?

Obviously the software will decode the CW audio into character form on screen.

I've seen CWType and CWGet but they seem to be seperate programs - I need one that will do both jobs.

My friend likes PSK31 and RTTY but would also, via his adapted keyboard, also like to send and receive CW.
Restricted and often 'shakey' hand movements now cause him problems with either a straight key or paddle.

All help appreciated.

Leigh....M5GWH, UK.
--

Leigh M. Preece mda03@keele.ac.uk
==========
Ex-PMR Radio Page: http://www.qsl.net/m5gwh/pmrpage.htm

Everything can be made to work if you fiddle with it long enough!

1346. Re: Need help with PK-88

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-11 15:55:30 UTC
From: kc4yoy@trellis.net
Message-ID: <d98f9107.0206110755.3ce2422c@posting.google.com>
Source record: 5970

>
> But, if it goes into MULT mode, download PKDEMO.exe from
> www.qrz.com/PKGOLD/ unzip it and run the program

It IS stuck in MULT mode.
I treid to get PKGOLD but it's not on QRZ anymore.
Any idea where I can find it?

I'm running paKet 5.1, I've had it for years
on 2 different PCs.

Ron

1347. Re: CW via PC?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-11 16:03:15 UTC
From: Martin <mab@delete-this.capita.nildram.co.uk>
Message-ID: <ugc7pejiv3t196@corp.supernews.com>
Source record: 5971

<leigh@media.keele.ac.uk> wrote in message
news:ae551d$f34$2@planet.kis.keele.ac.uk...
> Sorry in advance to any purists but can anyone suggest a good piece
of
> software that will both allow you to receive and decode CW into text
form as
> well as type (the person using the software actually uses a modified
> keyboard for one-hand use similar to a 'stenographers' due to a
disability)
> on a keyboard that, via the appropriate serial interface, will key
the
> radio?
>
> Obviously the software will decode the CW audio into character form
on
> screen.
>
> I've seen CWType and CWGet but they seem to be seperate programs - I
need
> one that will do both jobs.
>
> My friend likes PSK31 and RTTY but would also, via his adapted
keyboard,
> also like to send and receive CW.

MixW does CW, PSK31 and RTTY plus lots of other modes. It includes
both send and receive on CW. Your friend may be somewhat disappointed
with the receive results, however - hand sent CW is very hard to
decode accurately with a computer and the quality of the results is
often very poor. MixW does as good a job as anything else that I have
seen, but I can still do better by ear and I am just an "M3" ! It is
shareware, not free, but you can download a 30 day eval from
www.mixw.net and the registration fee is only around $50 - well worth
it...

> Restricted and often 'shakey' hand movements now cause him problems
with
> either a straight key or paddle.
>
> All help appreciated.
>
> Leigh....M5GWH, UK.
> --
>

Martin (G8FXC & M3ABL)

1348. Re: CW via PC?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-11 19:13:39 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3D064BE3.3A6F9798@crosslink.net>
Source record: 5972

Martin wrote:
>
> <leigh@media.keele.ac.uk> wrote ..:
> > Sorry in advance to any purists but can anyone suggest a good piece of
> > software that will both allow you to receive and decode CW into text..
>
> MixW does CW, PSK31 and RTTY plus lots of other modes. It includes
> both send and receive on CW. Your friend may be somewhat disappointed
> with the receive results, however - hand sent CW is very hard to
> decode accurately with a computer and the quality of the results is
> often very poor. ...

That's because the folks who brag on their CW have bad fists ... :o).

Yes this is a shameless troll not worth replying to.

73, K3DWW

1349. APRS WIDEn-N help

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-11 19:52:17 UTC
From: ckg@osu.edu
Message-ID: <3d06528b.1141129187@nntp.service.ohio-state.edu>
Source record: 5973

I recently upgraded our hi profile Kantronics digi station to firmware 8.2 from 7.0.

I cant find any info on this WIDEn-N stuff. What is it, and how does it work. And what do I have to do in the setup of the Kantronics to make it work for us.

I searched the web the best I could, so even a good web site would be great.

Thanks much.

Christopher K. Greenhalgh, N8WCT
AX.25: n8wct@w8cqk.#cmh.oh.usa.noam

"It's just about going fast...that's all...
http://home.insight.rr.com/cgreen"

1350. Re: CW via PC?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-11 21:12:43 UTC
From: Ralph Mowery <rmowery@dialpoint.net>
Message-ID: <ae5p4j$7ru$1@newsreader.cetlink.net>
Source record: 5974

Can;t recommend one over the other but look here:

http://www.muenster.de/%7Ewelp/sb.htm

and take your choice.

<leigh@media.keele.ac.uk> wrote in message
news:ae551d$f34$2@planet.kis.keele.ac.uk...
> Sorry in advance to any purists but can anyone suggest a good piece of
> software that will both allow you to receive and decode CW into text form
as
> well as type (the person using the software actually uses a modified

1351. Which TNC for Pactor and Packet - one set cables?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-11 22:05:34 UTC
From: Michael Pupeza <mpupeza@sympatico.ca>
Message-ID: <B92BEC6E.37D0%mpupeza@sympatico.ca>
Source record: 5975

Hi;
I want a TNC for my vehicle which will run Packet on 2 Metres and Pactor on HF that uses the same port for the HF and VHF rig, and a single serial port to the PC. I run an FT-100D with a data port, and an IBM Laptop.
I use Airmail for Pactor and UI-View for GPS-Packet. I wonder if the HS Switch for the UI-View would have to be removed to run Pactor, or will the software ignore it?
What would be a good TNC to use?
Any ideas?
73
Mike VE3EQP.....>

1352. Re: APRS WIDEn-N help

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-12 03:22:23 UTC
From: Clinton <clinton@_nospam_netidea.com>
Message-ID: <ae6bfn01m7m@enews1.newsguy.com>
Source record: 5977

Have a look at http://www.dididahdahdidit.com/kpc3v8.php

Clinton Peebles VE7KNL
Salmo, B.C. Canada
Remove _nospam_ to reply

"Christopher K. Greenhalgh" <ckg@osu.edu> wrote in message
news:3d06528b.1141129187@nntp.service.ohio-state.edu...
> I recently upgraded our hi profile Kantronics digi station to firmware
> 8.2 from 7.0.
>
> I cant find any info on this WIDEn-N stuff. What is it, and how does
> it work. And what do I have to do in the setup of the Kantronics to
> make it work for us.
>
> I searched the web the best I could, so even a good web site would be
> great.
>
> Thanks much.
> _____________________________
> Christopher K. Greenhalgh, N8WCT
> AX.25: n8wct@w8cqk.#cmh.oh.usa.noam
>
> "It's just about going fast...that's all...
> http://home.insight.rr.com/cgreen"
>

1353. TNC Stops Updating GPS Posit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-12 06:09:38 UTC
From: Douglas Gavilanes <gavilan1@earthlink.net>
Message-ID: <3D06E76E.C22007F7@earthlink.net>
Source record: 5978
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

Anyone ever have this problem? I'm running a Tiny-2 (version 5.0 firmware) TNC with a Magellan GPS315 connected to its serial port, with the NMEA 183 ($GPGGA) mode activated and sending GPS sentences. Bauds are properly set, and all seems well. Yet after about an hour or less, the TNC no longer updates the posits and shows me at the last posit that it cares to hold for whatever reason:

http://www.findu.com/cgi-bin/find.cgi?n6xqy-12&radar=***

shows me somewhere I was hours (or days) ago, even though the packet may have been transmitted minutes or seconds ago. Even stranger, every so often, the old stale posit is actually updated to a fresh one, which is then held for another eternity. The TNC faithfully send my LOC as instructed, but the GPSTEXT doesn't get updated. It seems that the TNC is interrupting the data stream from the GPS arbitrarily, and I can't find a cause. Anyone have any ideas? I've replaced the GPS serial cable and null modem cable with new, but no luck. I have found that the GPS will halt sending data via the serial port, possibly due to the TNC, but reinitializing the GPS starts the data flow again. Pac-Comm must be tired of my calls by now, and Magellan can't figure this one out either (they just discovered APRS from my phone calls). Any guidance here is appreciated. All I want is mobile APRS...

73 de Doug, N6XQY
Garden Grove, CA.

1354. Re: TNC Stops Updating GPS Posit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-12 07:06:00 UTC
From: Douglas Gavilanes <gavilan1@earthlink.net>
Message-ID: <3D06F4B2.1BBB5739@earthlink.net>
Source record: 5979
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

I meant to say that the LTEXT string doesn't get updated. Sorry...

Douglas Gavilanes wrote:

> Anyone ever have this problem? I'm running a Tiny-2 (version 5.0
> firmware) TNC with a Magellan GPS315 connected to its serial port, with
> the NMEA 183 ($GPGGA) mode activated and sending GPS sentences. Bauds
> are properly set, and all seems well. Yet after about an hour or less,
> the TNC no longer updates the posits and shows me at the last posit that
> it cares to hold for whatever reason:
>
> http://www.findu.com/cgi-bin/find.cgi?n6xqy-12&radar=***
>
> shows me somewhere I was hours (or days) ago, even though the packet may
> have been transmitted minutes or seconds ago. Even stranger, every so
> often, the old stale posit is actually updated to a fresh one, which is
> then held for another eternity. The TNC faithfully send my LOC as
> instructed, but the GPSTEXT doesn't get updated. It seems that the TNC
> is interrupting the data stream from the GPS arbitrarily, and I can't
> find a cause. Anyone have any ideas? I've replaced the GPS serial
> cable and null modem cable with new, but no luck. I have found that the
> GPS will halt sending data via the serial port, possibly due to the TNC,
> but reinitializing the GPS starts the data flow again. Pac-Comm must be
> tired of my calls by now, and Magellan can't figure this one out either
> (they just discovered APRS from my phone calls). Any guidance here is
> appreciated. All I want is mobile APRS...
>
> 73 de Doug, N6XQY
> Garden Grove, CA.

1355. Re: CW via PC?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-12 07:57:37 UTC
From: leigh@media.keele.ac.uk
Message-ID: <ae6uth$1du$1@planet.kis.keele.ac.uk>
Source record: 5980

Vito <vito@crosslink.net> wrote:
> Martin wrote:
> >
> > <leigh@media.keele.ac.uk> wrote ..:
> > > Sorry in advance to any purists but can anyone suggest a good piece of
> > > software that will both allow you to receive and decode CW into text..
> >
> > MixW does CW, PSK31 and RTTY plus lots of other modes. It includes
> > both send and receive on CW. Your friend may be somewhat disappointed
> > with the receive results, however - hand sent CW is very hard to
> > decode accurately with a computer and the quality of the results is
> > often very poor. ...

> That's because the folks who brag on their CW have bad fists ... :o).

Who? Me (the original poster) or vito@crosslink.net who added a follow up?

If me - well - gee thanks - my original question is 100% genuine.

I've got the answer I wanted - MixW - and the ham who I was posting for has now got his interface running and should be going with MixW soon.

Leigh....

1356. PSK31Relay

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-12 09:55:10 UTC
From: Adam Alicajic <alicajic.adam@pu.hinet.hr>
Message-ID: <ae664r$4kqf$1@as201.hinet.hr>
Source record: 5976

Hello,
Can somebody update information about PSK31Relay project, any web pages
,because all links are closed.
Thanks 9a4qv

1357. Re: Is APRS always 1200 baud?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-12 20:24:42 UTC
From: Shambuck23 <shambuck23@hotmail.com>
Message-ID: <ae8ak5$72f1@nuit.vlsi.com>
Source record: 5981

I have received data on the national APRS frequency, 144.390 at 9600 baud and 1200 baud. I use a Kenwood TH-D7(G) HT, connected to my laptop via a serial cable and I use either APRSpoint or APRSPlus+SA to see the data on a map. However, when I use either APRSPoint or APRSPlus+SA, I can only see data at 9600 baud on the laptop.

73, Mike-KG6IFV

"John" <johnfofawn@hotmail.com> wrote in message news:d89364bd.0205290610.6c2bf8b0@posting.google.com...
> nomail@pe1chl.ampr.org (Rob Janssen) wrote in message news:<slrnae82u3.j8a.nomail@linux.pe1chl.ampr.org>...
> > John <johnfofawn@hotmail.com> wrote:
> > >I have complex (IQ) samples. I think I need a demod to get to symbols
> > >and a decoder to get to bits/text. Right?
> >
> > Well, you will have several layers in that case...
> >
> > First you need to demodulate the samples as NBFM audio (probably not the
> > first choice to do that using DSP from IQ samples, but of course possible).
> >
> > Then you have a 1200/2200 Hz FSK signal (1200 baud) that you demodulate
> > to ones and zeroes and recover the clocking info.
>
> My receiver doesn't supply FM demodulated audio, so I'll write an FM
> demodulator along with an FSK demodulator to produce the bits.
>
> I see that there is 1200 baud, 2400 baud, and 9600 baud packet.
>
> In the US on 144.39 is APRS *always* 1200 baud?
>
> Thanks,
> John

1358. Re: CW via PC?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-13 00:49:43 UTC
From: "J. Duffy Beischel" <jduffy@zoomtown.com>
Message-ID: <ugfr52a3gm6807@corp.supernews.com>
Source record: 5982

I use MixW for CW sending and receiving. It is excellent and allows me to keep up with some of the speed demons. If you license the program, use the 1.x decoding method as the 2.x method is not as good.

Regards,

Duffy - WB8NUT
www.wb8nut.com

<leigh@media.keele.ac.uk> wrote in message
news:ae551d$f34$2@planet.kis.keele.ac.uk...
> Sorry in advance to any purists but can anyone suggest a good piece of
> software that will both allow you to receive and decode CW into text form
as
> well as type (the person using the software actually uses a modified
> keyboard for one-hand use similar to a 'stenographers' due to a
disability)
> on a keyboard that, via the appropriate serial interface, will key the
> radio?
>
> Obviously the software will decode the CW audio into character form on
> screen.
>
> I've seen CWType and CWGet but they seem to be seperate programs - I need
> one that will do both jobs.
>
> My friend likes PSK31 and RTTY but would also, via his adapted keyboard,
> also like to send and receive CW.
> Restricted and often 'shakey' hand movements now cause him problems with
> either a straight key or paddle.
>
> All help appreciated.
>
> Leigh....M5GWH, UK.
> --
>
> Leigh M. Preece mda03@keele.ac.uk
> ==
> Ex-PMR Radio Page: http://www.qsl.net/m5gwh/pmrpage.htm
>
> Everything can be made to work if you fiddle with it long enough!

1359. software

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-13 09:35:20 UTC
From: Tiho <tiho@post.hinet.hr>
Message-ID: <ae9p1q$2v0r$1@as201.hinet.hr>
Source record: 5983

What software for packet radio can work under Windows XP ?
If anybody have some info please send me!
Thanks
9a7gae

1360. Re: software

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-13 11:26:52 UTC
From: Mike <mlaw3825@earthlink.net>
Message-ID: <0k%N8.14$zO1.6@newsread1.prod.itd.earthlink.net>
Source record: 5984

Paket 6.1, HyperTerminal, PKTerm. Are the ones I use every so often.
73's Mike

From the desk of KC2JGA

"Tiho" <tiho@post.hinet.hr> wrote in message
news:ae9p1q$2v0r$1@as201.hinet.hr...
> What software for packet radio can work under Windows XP ?
> If anybody have some info please send me!
> Thanks
> 9a7gae
>
>

1361. Re: software

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-13 13:09:19 UTC
From: Markus L <uo9oew@lnubb.pbz>
Message-ID: <3d089960$0$224$4d4ebb8e@read-nat.news.nl.uu.net>
Source record: 5985

http://www.wingt.de/

73, Markus HB9BRJ
--
e-mail address is ROT13 encoded. Decode before replying.

"Tiho" <tiho@post.hinet.hr> wrote in message
news:ae9p1q$2v0r$1@as201.hinet.hr...
> What software for packet radio can work under Windows XP ?
> If anybody have some info please send me!
> Thanks
> 9a7gae

1362. Re: CW via PC?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-13 20:58:37 UTC
From: mharris3 <mharris3@peoplepc.com>
Message-ID: <ugi1s0afjvrs2d@corp.supernews.com>
Source record: 5986

I have tried them all. I have found that HamScope performed the best. It was able to decode more often and has loads of macro functions available to save you time for common qso info.

Mark KC8IDF
<leigh@media.keele.ac.uk> wrote in message
news:ae551d$f34$2@planet.kis.keele.ac.uk...
> Sorry in advance to any purists but can anyone suggest a good piece of
> software that will both allow you to receive and decode CW into text form
as
> well as type (the person using the software actually uses a modified
> keyboard for one-hand use similar to a 'stenographers' due to a
disability)
> on a keyboard that, via the appropriate serial interface, will key the
> radio?
>
> Obviously the software will decode the CW audio into character form on
> screen.
>
> I've seen CWType and CWGet but they seem to be seperate programs - I need
> one that will do both jobs.
>
> My friend likes PSK31 and RTTY but would also, via his adapted keyboard,
> also like to send and receive CW.
> Restricted and often 'shakey' hand movements now cause him problems with
> either a straight key or paddle.
>
> All help appreciated.
>
> Leigh....M5GWH, UK.
> --
>
> Leigh M. Preece mda03@keele.ac.uk
> ==
> Ex-PMR Radio Page: http://www.qsl.net/m5gwh/pmrpage.htm
>
> Everything can be made to work if you fiddle with it long enough!

1363. Re: CW via PC?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-14 12:05:17 UTC
From: cprstn54zz@att.net
Message-ID: <3d09d9d0.21200390@news-server.optonline.net>
Source record: 5987

On Thu, 13 Jun 2002 16:58:37 -0400, "mharris3" <mharris3@peoplepc.com>
wrote:
>I have tried them all. I have found that HamScope performed the best. It
>was able to decode more often and has loads of macro functions available to
>save you time for common qso info.

MixW will accept a CW key (or keyer) via the joystick port, so it can
directly see the CW you are keying by hand. Will it decode it?

With HamScope your key has to be plugged into your radio. Will
HamScope decode the side tone your radio generates when you TX CW?

The point of this is to be able to log entire CW QSO's where a
keyboard is not used.

Ken KC2JDY
Ken
(to reply via email
remove "zz" from address)

1364. Re: URGENT NEWSFLASH!!! URGENT NEWSFLASH!! SPECIAL OFFER!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-14 13:50:32 UTC
From: N3UE - Ed <N3UE@breezeshooters.net>
Message-ID: <IwmO8.31995$nZ3.6102@rwcrnsc53>
Source record: 5988

You Sir, are an ass!

--

Ed Wolf - ars:N3UE - NA40+TR.PA
http://doit.pgh.net/~wolfie/
http://www.breezeshooters.net
http://www.breezeshooters.com
http://home.attbi.com/~nosatern/

<Jason@hipppqf.co> wrote in message news:13060221.0651@hipppqf.co...
> URGENT NEWSFLASH!!! URGENT NEWSFLASH!!! SPECIAL OFFER!!!!
>
>
> The government has installed BLACK BOXES into ISPs to watch your
> Internet surfing.
>
> When you are targeted, the first you will know is the KNOCK AT YOUR
> DOOR and the JAIL SENTENCE.
>
> If you think you have cleaned your computer - you are WRONG.
> They can recover from your PC every single picture or item you have
> ever watched on the Internet.
>
> You need protection.
>
> You need an Evidence Eliminator.
>
> Click Here -- http://www.evidence-eliminator.com/go.shtml?A657037
>
>

1365. Re: how to connect a soundcard on a transceiver

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-15 02:20:16 UTC
From: gervais <gfillio1@globetrotter.net>
Message-ID: <AvxO8.3974$pO4.52672@charlie.risq.qc.ca>
Source record: 5989

well ,i would like to say thanks to all of you ,
that has answer my demand on information.
by the way i just finish an IRLP node in Rimouski,Quebec
if you ever want to try to practice some french ,comme on the REFLECTOR 4.

73/s and thanks to all

gervais,ve2ckn

"Cedric Walker" <cfw@tulane.edu> a crit dans le message news:
acbioa$tc7$1@same.tcs.tulane.edu...
>
> "gervais" <gfillio1@globetrotter.net> wrote in message
> news:Ug%D8.37$7h.17322@charlie...
> > hi all,well thanks for reading .
> > i am looking for a web site dedicated on the shematics of
> > the way to connect various radios on soundcard?
> >
>
> Gervais,
>
> The "mother lode" of schematics is at
>
> http://www.packetradio.com/
>
> ... I bought one of their interfaces (too lazy to build my own) and it
works
> well.
>
> 73 de Cedric k5cfw
>
>

1366. Kenwood TK-705 manual Wanted

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-15 02:20:17 UTC
From: gervais <gfillio1@globetrotter.net>
Message-ID: <BvxO8.3975$pO4.52672@charlie.risq.qc.ca>
Source record: 5990

hi all,
well i am looking for the manual of a tk-705,do you have it?

can you send a copy,via email or i may pay the transport via mail.

gervais
ve2ckn@hotmail.com

1367. Re: Packet and the ISS?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-15 02:30:27 UTC
From: gervais <gfillio1@globetrotter.net>
Message-ID: <7FxO8.4077$pO4.53045@charlie.risq.qc.ca>
Source record: 5991

hi all of you,
well what i mean about the doppler effect is different depending of your qth
versa the iss qth.
here in eastern quebec,canada when she is passing over it goes very fast.
any way ,we see some traffic on packet but it is so quick
i am beginning to gave it up!!!!!!

gervais

"Peter O" <peter.o@lennik.org> a crit dans le message news:
3CCD318D.908FA973@lennik.org...
> VHFRadioBuff wrote:
> >
> > Hello all. I have just begun playing with packet and I am interested in
> > contacting the ISS. I have the uplink and downlink freqs. Can anyone
tell me
> > how I'd go about actually contacting them? Any good webpages on the
topic?
> > =-
> > 73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
> > Beachwood, NJ USA! Grid FM29vw
> > http://vhfradiobuff.tripod.com
> > http://edfas.tripod.com
>
>
> Take a look at http://ariss.gsfc.nasa.gov
>
> --
> Peter O
> http://www.lennik.org
> ----------
> The face of war has never changed. Surely it is more logical to heal
> than to kill.
> -- Surak of Vulcan, "The Savage Curtain", stardate 5906.5

1368. Re: Packet and the ISS?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-15 17:35:37 UTC
From: K1QN <k1qn@cox.net>
Message-ID: <JVKO8.34358$Hn4.1102040@news1.east.cox.net>
Source record: 5992

The iss appears to be dead on packet. Look at
http://www.findu.com/cgi-bin/ariss/index.cgi
That's right, (at this writing) 22 days, 9 hours, etc...

The general idea is uplink 145.99, downlink 145.80. 1200 afsk/FM. I've
popped it on 1 watt with 50 feet of coax, and an old MFJ quarter wave GP.

In theory it's like shooting fish in a barrell. The downside is that the
passes
go by pretty quickly.

Al, K1QN

"gervais" <gfillio1@globetrotter.net> wrote in message
news:7FxO8.4077$pO4.53045@charlie.risq.qc.ca...
> hi all of you,
> well what i mean about the doppler effect is different depending of your
qth
> versa the iss qth.
> here in eastern quebec,canada when she is passing over it goes very fast.
> any way ,we see some traffic on packet but it is so quick
> i am beginning to gave it up!!!!!!
>
> gervais
>
> "Peter O" <peter.o@lennik.org> a crit dans le message news:
> 3CCD318D.908FA973@lennik.org...
> > VHFRadioBuff wrote:
> > >
> > > Hello all. I have just begun playing with packet and I am interested
in
> > > contacting the ISS. I have the uplink and downlink freqs. Can anyone
> tell me
> > > how I'd go about actually contacting them? Any good webpages on the
> topic?
> > > =-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
> > > 73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
> > > Beachwood, NJ USA! Grid FM29vw
> > > http://vhfradiobuff.tripod.com
> > > http://edfas.tripod.com
> >
> >
> > Take a look at http://ariss.gsfc.nasa.gov
> >
> > --

> > Peter O
> > http://www.lennik.org
> > ---
> > The face of war has never changed. Surely it is more logical to heal
> > than to kill.
> > -- Surak of Vulcan, "The Savage Curtain", stardate 5906.5
>
>

1369. TH-D7 and WinAPRS icon problem...

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-16 02:10:09 UTC
From: Frederick Janicke <n2foz@webspan.net>
Message-ID: <3D0BF36F.488C@webspan.net>
Source record: 5993

Wonder if anyone here might be able to shed some light on this:

No matter what icon selection or SSID I use on my TH-D7 handheld when running in stand-alone APRS mode, when I transmit back to my home station running WinAPRS (version 2.5.1) and a TNC/radio combination, the TH-D7 will only show it as a a red dot, which when hooked indicates a mic-e icon. I see that the beacon text of the TH-D7 has a mic-e statement in it, could this be the cause of this, is it overriding the selected icon? If so, how can I fix this so that WinAPRS will show the handheld as whatever icon I choose?

Any help would be greatly appreciated, as I'm at my wit's end trying to figure out what I'm doing wrong!

73 es thanks,
Fred N2FOZ

1370. Re: New to PSK, LOVE IT!!!!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-16 06:05:21 UTC
From: n3dqu@aol.com
Message-ID: <20020616020521.16323.00002117@mb-ma.aol.com>
Source record: 5994

>Anyone have any tips or suggestions for a new PSK addict?

You might want to check out the 070 Club, a PSK31 only award program sponsored by the Penn-Ohio DX Society (PODXS)...for more info go to < http://hometown.aol.com/n3dqu/podxs070.htm > ...73 de Jay N3DQU.

1371. Digital contacts on field day?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-16 14:04:26 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020616100426.05438.00000618@mb-ca.aol.com>
Source record: 5995

I was wondering if anyone could tell me if there is a monitor frequency for 2m packet contacts on field day? If not, how does one get digital contacts, short of coordinating them?

=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-

73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Beachwood, NJ USA! Grid FM29vw
http://vhfradiobuff.tripod.com

1372. TCP/IP IN SACRAMENTO

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-16 16:22:38 UTC
From: David A Rutter <darutter@softcom.net>
Message-ID: <iX2P8.1087$US5.80725@sc0101.promedia.net>
Source record: 5996

Hey gang.

Does anyone know the frequencies currently in use (active) for TCP/IP in the Sacramento area.

I have found none of the NCPA frequencies active in the area and am interested to know if anyone is currently using the mode.

Thanks in advance.

Dave
W6CQD

1373. Re: Digital contacts on field day?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-17 12:59:16 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3D0DDD24.240DDB91@crosslink.net>
Source record: 5997

VHFRadioBuff wrote:
>
> If not, how does one get digital contacts....

PSK-31 on HF? Moon/Meteor bounce?
73 K3DWW

1374. Tap Code R/W SW?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-17 13:09:35 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3D0DDF8F.CCF55595@crosslink.net>
Source record: 5998

Just curious. AYAK Prisoners and others use tap code, not morse, because it's all "dots" (no dashes) and doesn't require a long learning curve; just a simple 5x5 matrix with 'c' substituted for 'k'. Is anybody using it on amateur bands in lieu of Morse? Any read/write SW around.

12345
1ABCDE
2FGHIJ
3LMNOP
4QRSTU
5VWXYG

73, K3DWW

1375. Re: Digital contacts on field day?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-17 14:32:08 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020617103208.02479.00001223@mb-cj.aol.com>
Source record: 5999

>PSK-31 on HF? Moon/Meteor bounce?
>73 K3DWW

Please read the original message. I was asking for frequencies that are usually monitored for ***2 meter*** packet on field day.
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Beachwood, NJ USA! Grid FM29vw
http://vhfradiobuff.tripod.com

1376. Re: Tap Code R/W SW?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-17 19:33:29 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnagsec9.h8a.nomail@linux.pe1chl.ampr.org>
Source record: 6000

Vito <vito@crosslink.net> wrote:
>Just curious. AYAK Prisoners and others use tap code, not morse, because
>it's all "dots" (no dashes) and doesn't require a long learning curve;
>just a simple 5x5 matrix with 'c' substituted for 'k'. Is anybody using
>it on amateur bands in lieu of Morse? Any read/write SW around.

No, we use PSK31. No learning curve at all, just use a PC.

Rob
--
+--------------------------------+-------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+-------------------------------------+

1377. Re: Digital contacts on field day?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-18 12:17:32 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3D0F24DC.20C18423@crosslink.net>
Source record: 5901

VHFRadioBuff wrote:
>
> ... I was asking for frequencies that are usually
> monitored for ***2 meter*** packet on field day.

Hmmmm ... don't moon/meteor bounce use 2M packet? A neighbor in 'Sandy Yago' had what looked like every 2M 'Boomer' in the world on top of his Ocean Beach bungalow. All ya need is enough ERP ... :o)

I'll have a mobile KA node (KGMND & KGMMB) and a demo portable station using a laptop, BP-2 and Handy on 145.59 in beautiful Eastside King George, Va. Where are you? If you figure a route from there to here & leave it in a msg in KGMMB and I'll reply.

As far as random CQ's go, we tried it with zero results last year. Ditto 2M SSB. So, we're going to try 6M for VHF this year but main emphasis will be on demoing HF SSB for local disaster officials. PSK-32, PACTOR and other HF digi's may have to wait for next year - ran out of time this year. OTOH, I'll have a 'NOMIC" and a couple laptops on hand ....

73, K3DWW

1378. Re: Tap Code R/W SW?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-18 12:20:43 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3D0F259B.169D48EE@crosslink.net>
Source record: 5902

Rob Janssen wrote:
>
> Vito <vito@crosslink.net> wrote:
> >Just curious. AYAK Prisoners and others use tap code.. Is anybody using
> >it on amateur bands in lieu of Morse? A.
>
> No, we use PSK31. No learning curve at all, just use a PC.
>

FB Rob but variety is the spice of life ...
73, K3DWW

1379. FS: Closing shack. Good stuff for sale.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-18 12:56:50 UTC
From: Marty <marty1225@earthlink.net>
Message-ID: <m6GP8.2590$uH2.1376@newsread1.prod.itd.earthlink.net>
Source record: 5903
Cross-posted to: alt.ham-radio.hf,alt.ham-radio.packet,alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc

Closing shack. Have the following for sale:

Kenwood TM241A 2M xceiver. Looks and works like new. With manual. $190.

Kenwood TM211 2M xceiver. Few paint chips on speaker, radio works like new. This is the model with the swivel head, great for installing in tight spaces. With manual. $120.

Hustler mobile antenna, with 15, 20 and 40meter loading coils. $50.

Astron SS-30M power supply. Like new. $100.

LDG AT11 Automatic antenna tuner. Looks and works like new. One mod: the red
LED tuning indicator changed to blue. Prettier that way. $150.

2 120V 10amp Powerstats (variacs) shafts tandem coupled. Have them wired for 240V
feed to linear power supply. Can be used separately. $75.

Pair of heavy duty Coax Relays. 6VAC coils. Type N fittings. Will include 4 adapters for UHF fittings and 6" Type N coax jumper. $60.

2M through-glass antenna. Needs only a piece of double sided foam tape $25.

2M homebrewed mag mount antenna. Commercial mag base with BNC whip connector. $15.

PK232MBX TNC. Hasn't been used for 4-5 years. Worked perfectly when last used. With manual. $75.

Heath HW101. Tech special, needs work. With manual. $90.

Yaesu FT757GX. Another tech special. Xmitter dead. Receiver working perfectly. With manuals. $150.

Hammarlund HQ170. No clock. No mods, original components.
Probably needs caps and tube replacements. $100.

Hallicrafter S19R Sky Buddy. Vintage 1938. Collector's restoration special. One tube
substitution. $50.

D-104 Mic. Chrome stand and mic. Grey TUG8 amplifier/stand. Looks great. $40.

All prices plus shipping. Email for more information. Have some pictures.

Marty, K1FHR

1380. Re: Digital contacts on field day?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-18 14:10:11 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020618101011.16117.00001923@mb-ce.aol.com>
Source record: 5904

>As far as random CQ's go, we tried it with zero results last year. Ditto
>2M SSB. So, we're going to try 6M for VHF this year

I can't believe that 2m SSB was dead for you! Last weekend I worked the VHF contest and was knocking out contacts left and right on both 2m and 6m SSB. I hope to have similar results during field day. As far as packet on field day, I forgot that with a large number of the people on the newsgroups, you have to be very very specific with your postings or else they start giving you information on things that you never asked for! :)

I was only interested in knowing if there was a particular frequency where stations called CQ on packet for 2 meters. I have a modest packet station with a 2m/6m vertical about 20 feet up with which to make my packet contacts... no moon bouncin' for me.

So, I pose the original question again - Is there a certian frequency on 2m FM that I should listen to for basic keyboard to keyboard, non-moon bouncing contacts on packet? (hope that was specific enough! :))
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Beachwood, NJ USA! Grid FM29vw
http://vhfradiobuff.tripod.com

1381. Windows Soundcard POCSAG encoder

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-18 14:57:04 UTC
From: Clive Cooper <RemoveThis-info@winpe.com>
Message-ID: <aenho5au1@newsg4.svr.pol.co.uk>
Source record: 5905

There is now a Windows Soundcard POCSAG encoder.

www.winpe.com

1382. Re: Decode Crowd36

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-18 21:22:15 UTC
From: Xenophon <xenophon@phreaker.net>
Message-ID: <3D0FA486.1F5D5194@phreaker.net>
Source record: 5906

Are there any PC programs (shareware or freeware) that will decode Crowd36; either with soundcard (ideally) or a hamcomm interface. I have found a few interesting transmissions, but no way to decode them, short of buying an expensive hardware decoder. Is there any non-commercial soft. to do it, or will it be another job for me to do this summer?

Rgds.
Xeno

1383. Soundblaster Live / rigblaster question

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-18 23:52:59 UTC
From: Gary Boyer <gboyer@columbus.rr.com>
Message-ID: <vJPP8.77594$Am4.19791179@twister.columbus.rr.com>
Source record: 5907

Is there a best way to hook up my soundblaster live and rigblaster...as you may or may not know there are several more input jacks on the card as well as five separate speakers...I want to continue to use them as well as the the rigblaster plus without disconnecting wires all the time....do you have any suggestions if you are using this type of soundcard..... can't seem to figure it out....thanks...Gary ...K8by

1384. SALE: Operators & Service Manuals Icom IC-R7100 ICR7100 7100

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-19 01:32:23 UTC
From: David Goldstein <d.goldstein@worldnet.att.net>
Message-ID: <HaRP8.49382$UT.3343518@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5908
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc

Operators Manual and Service Manual for the Icom IC-R7100 receiver for sale. The manuals contain instructions, information and diagrams, in particular regarding the internal service, adjustments, options and jumper blocks. Information in these manuals is exclusive and not found from any other source. The lower margin of the Operators Manual is cut short but the manual is complete.

1385. Re: Decode Crowd36

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-19 15:08:53 UTC
From: Steve Walker - NG <$stevew@bucks.net$>
Message-ID: <uh17k844ssr87d@corp.supernews.com>
Source record: 5909

"Xenophon" <xenophon@phreaker.net> wrote in message
news:3D0FA486.1F5D5194@phreaker.net...
> Are there any PC programs (shareware or freeware) that will decode
> Crowd36; either with soundcard (ideally) or a hamcomm interface. I have
> found a few interesting transmissions, but no way to decode them, short
> of buying an expensive hardware decoder. Is there any non-commercial
> soft. to do it, or will it be another job for me to do this summer?
>
> Rgds.
> Xeno
>

Xeno,

Not many people would be intrested in the traffic as such as it is mainly 5LG or 5FG, thus seems boring to Joe decoder. The op chat is always 10bd and readable - but again you will see "YRYRYR QSL PSE RPT" and that is about it.

So for the most part noone really bothers with it when it comes to shareware or freeware decoding as its not intresting :-) Plus it's being replaced anyways so it will be another mode gone that can be done quickly with a soundcard.

But as the system is widely doc'ed you could write something very quickly if you have some knowledge of soundcards and DSP software and modems that would allow you to watch the op chat at least then you could say you have seen it.

73

Steve

1386. Kenwood ts430 help?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-19 17:35:01 UTC
From: XTC <jeflol@yahoo.com>
Message-ID: <aeqf9nqeg1@ctb-nnrp2.saix.net>
Source record: 5910
Cross-posted to:
rec.radio.amateur.digital.misc,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.scanner

Great rig but developped this problem.Any ideas,help appreciated.When rig is switched on all ok but the moment ptt is pressed and released the on air light stays on dimmer and reception goes off freq.the only way to bypass is to keep the rit activated.traced the prob to the relay under the radio on rf board.when ptt pressed 2 relays kick in one at the back and this one on rf board.when ptt released both also release again,but the one on the rf board doesnt anymore and seem to have something to do with the att to because that kicked in the same relay but now also not functional.Any ideas or Help?Please email me at jefbay@ananzi.co.za

1387. Re: Kenwood ts430 help?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-19 17:53:45 UTC
From: Don Baker <DocDB@excite.com>
Message-ID: <YC3Q8.1098$qZ.8618@news.abs.net>
Source record: 5911
Cross-posted to:
rec.radio.amateur.digital.misc,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.scanner

430's have a "known failure mode" for the final output transistors. This is a combination of a circuit board that is a little to light duty and riveted transistor connections. I have fixed 2 of these, and one acted very much like yours with a pll / vfo "unlock".

Don

"XTC" <jeflol@yahoo.com> wrote in message news:aeqf9nqeg1@ctb-nnrp2.saix.net...
> Great rig but developped this problem.Any ideas,help appreciated.When rig is
> switched on all ok but the moment ptt is pressed and released the on air
> light stays on dimmer and reception goes off freq.the only way to bypass is
> to keep the rit activated.traced the prob to the relay under the radio on rf
> board.when ptt pressed 2 relays kick in one at the back and this one on rf
> board.when ptt released both also release again,but the one on the rf board
> doesnt anymore and seem to have something to do with the att to because that
> kicked in the same relay but now also not functional.Any ideas or
> Help?Please email me at jefbay@ananzi.co.za
>
>

1388. Re: PSK31Relay

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-20 12:24:26 UTC
From: kf4sir@earthlink.net
Message-ID: <3d11c40c.3240400@news.earthlink.net>
Source record: 5912

On Wed, 12 Jun 2002 02:55:10 -0700, "Adam Alicajic"
<alicajic.adam@pu.hinet.hr> wrote:

>Hello,
>Can somebody update information about PSK31Relay project, any web pages
>,because all links are closed.
>Thanks 9a4qv
>

Hi Adam and the group, I discontinued support for the PSK31Relay due
to low interest.

There also has been considerable advancement with the Winlink2000 ham
radio to Internet messaging system that makes it by far the best
choice for hams that need digital HF radio to Internet access.

Lots more general info with a great propagation starter page at:
http://digitalhamradio.org

I would still love to see a system get developed that uses a computer
sound card instead of an expensive TNC for digital HF radio to
Internet access but no suitable sound card programs have been
developed yet.

There is one sound card program that does a very nice job on packet
but packet is much better suited for VHF not HF.

Maybe a new sound card HF ARQ mode will be developed that will change
all this.

Hope this helps,

Dale

1389. Re: Decode Crowd36

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-20 20:06:37 UTC
From: Xenophon <xenophon@phreaker.net>
Message-ID: <3D1235CD.FE4B7DC5@phreaker.net>
Source record: 5913

Steve Walker - NG wrote:

> Not many people would be intrested in the traffic as such as it is mainly
> 5LG or 5FG, thus seems boring to Joe decoder. The op chat is always 10bd and
> readable - but again you will see "YRYRYR QSL PSE RPT" and that is about it.
>

Thats all i really need to see initially. The OP chat contains callsigns i thought, and it just sounds a bit fun, one of the main reasons of interest is to see WHICH stations are continuing to transmit, and TO WHICH stations, after that change from RTTY which was made over the last few(?) years.

>
> So for the most part noone really bothers with it when it comes to shareware
> or freeware decoding as its not intresting :-) Plus it's being replaced
> anyways so it will be another mode gone that can be done quickly with a
> soundcard.
>

Uhuh. What are they moving onto? I know it was Morse then RTTY then Crowd36. What are they begining to use now.

>
> But as the system is widely doc'ed you could write something very quickly if
> you have some knowledge of soundcards and DSP software and modems that would
> allow you to watch the op chat at least then you could say you have seen it.
>

Guess I might do. I have 12 weeks of summer vacation after all.

>
> 73
>
> Steve

1390. RE: WTB AEA (Timewave) DSP-2232 DSP Controller - FYI: There is one listed on eBay now. Expires in about a week.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-20 20:22:26 UTC
From: esb <esb2002@aloha.net>
Message-ID: <pae4hug3nm9tpchrio0tmlji21qql87vpn@4ax.com>
Source record: 5914

FYI: There is one listed on eBay now. Expires in about a week.

1391. Re: Decode Crowd36

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-20 21:04:16 UTC
From: Steve Walker - NG <$stevew@bucks.net$>
Message-ID: <uh4gqivfre61a@corp.supernews.com>
Source record: 5915

Hi.,

> Thats all i really need to see initially. The OP chat contains callsigns i
> thought, and it just sounds a bit fun, one of the main reasons of interest
is
> to see WHICH stations are continuing to transmit, and TO WHICH stations,
after
> that change from RTTY which was made over the last few(?) years.
>

You can see the link ID and some people have a reasoned idea of where these
are.

> >
> > So for the most part noone really bothers with it when it comes to
shareware
> > or freeware decoding as its not intresting :-) Plus it's being replaced
> > anyways so it will be another mode gone that can be done quickly with a
> > soundcard.
> >
>
> Uhuh. What are they moving onto? I know it was Morse then RTTY then
Crowd36.
> What are they begining to use now.
>

They have a couple of systems MS5 modem and a PSK system that is pure CIS -
common on HF and MS5 is do able but I have not yet seen anything with the
other PSK system that the public can access.

> >
> > But as the system is widely doc'ed you could write something very
quickly if
> > you have some knowledge of soundcards and DSP software and modems that
would
> > allow you to watch the op chat at least then you could say you have seen
it.
> >
>
> Guess I might do. I have 12 weeks of summer vacation after all.
>

Its not a bad system to do in comparison to moden PSK systems.

73

Steve

1392. Re: PSK31Relay

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-20 21:31:05 UTC
From: Albert Giandomenico <giandome@seas.upenn.edu>
Message-ID: <3D124999.3B2786F@seas.upenn.edu>
Source record: 5916

Dale

Try Echolink

http://www.synergenics.com/el/

N3OJV

1393. G-TOR PBBS <<Please Try It >>

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-21 03:04:41 UTC
From: Lonnie Juli <vze25j84@verizon.net>
Message-ID: <dJwQ8.92546$ks6.26088@nwrddc02.gnilink.net>
Source record: 5917

I have set up a temporary G-TOR PBBS on 14.103MHz LSB (Dial Freq.), 2125/2295 Mark/Space. Link to N2EXU.

I am evaluating whether or not some of the Kantronics owners out there want to use G-TOR because it's faster than Pactor 1 or any of the less expensive modes. If the feedback is positive, perhaps a more permanent installation is possible with cross connects and Internet access as well. Who knows what this can lead to?

It's not my intention to compete with Winlink. Frankly, Winlink is practically perfect, but perhaps a few G-TOR nodes would make the system faster for those users who don't have a Pactor 2 or 3 controller. Let's take small steps, please.

The system uses the PBBS in a KAM-XL, so there is nothing complicated about it. The frequency of the PBBS is not permanent and the schedule will vary depending on a bunch of factors, so please try as often as you can. If anyone has any observations, I'd like to hear them. The best way would be via the G-TOR PBBS, but email is good, too.

I appreciate any efforts that are made to try this PBBS and report your findings.

Thanks and 73,

Lonnie N2EXU

1394. Pinout for Mic connector on GE MLSU240

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-21 15:04:52 UTC
From: Allen <ve1inn@hotmail.com>
Message-ID: <Xns92347AE419F9DHarris@207.181.101.12>
Source record: 5918
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

I am looking for a pinout for the rear connector (the only connector) on a
GE MLSU240 radio. Please e-mail direct replacing (near) with @.

73.

VE1INN
Allen

1395. DRSI PC/PA

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-22 07:05:57 UTC
From: Chris Edmondson <editor@radiomag.com>
Message-ID: <B93A5EF5.1905E%editor@radiomag.com>
Source record: 5919

Hi. I wonder if anyone would have any idea where I can get the software to suit the internal DRSI PC/PA card please? My card is in perfect condition... more than I can say for the software!!! It used a TSR program and ran under something pedestrian. If anyone has any ideas I certainly would be grateful!

If you could reply direct to my E-mail address I'd be mighty obliged...

73 Chris Edmondson, VK4AA
Radio and Communications magazine,
PO Box 123,
Eagle Heights,
Queensland 4271

07 5545 0666 phone
07 5545 0622 facsimile
0417 35 3599 mobile

Web page: http://www.radiomag.com

1396. Re: DRSI PC/PA

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-22 07:28:45 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnah89pd.cqb.nomail@linux.pe1chl.ampr.org>
Source record: 5920

Chris Edmondson <editor@radiomag.com> wrote:
>Hi. I wonder if anyone would have any idea where I can get the software to
>suit the internal DRSI PC/PA card please? My card is in perfect condition...
>more than I can say for the software!!! It used a TSR program and ran under
>something pedestrian. If anyone has any ideas I certainly would be grateful!

It will work with most versions of NET and NOS. And I think it will work
under Linux as well. It is a Z8530 based card with a useless extra timer
chip.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

1397. Re: DRSI PC/PA

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-22 11:11:16 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <oXYQ8.3479$Q55.164922407@newssvr13.news.prodigy.com>
Source record: 5921

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
news:slrnah89pd.cqb.nomail@linux.pe1chl.ampr.org...
> Chris Edmondson <editor@radiomag.com> wrote:
> >Hi. I wonder if anyone would have any idea where I can get the software
to
> >suit the internal DRSI PC/PA card please? My card is in perfect
condition...
> >more than I can say for the software!!! It used a TSR program and ran
under
> >something pedestrian. If anyone has any ideas I certainly would be
grateful!
>
> It will work with most versions of NET and NOS. And I think it will work
> under Linux as well. It is a Z8530 based card with a useless extra timer
> chip.

Even more useful is its ability to run with FlexNet.

Charles, N5PVL

1398. Re: DRSI PC/PA

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-22 11:40:46 UTC
From: "Bob Lewis (AA4PB)" <rlewis@staffnet.com>
Message-ID: <uh8oj129qcos5b@corp.supernews.com>
Source record: 5922

> It will work with most versions of NET and NOS.

Doesn't it still require the TSR driver as an interface between the
card and the software?

1399. Re: DRSI PC/PA

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-22 19:51:34 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnah9la6.min.nomail@linux.pe1chl.ampr.org>
Source record: 5923

Bob Lewis \(AA4PB\) <rlewis@staffnet.com> wrote:
>> It will work with most versions of NET and NOS.

>Doesn't it still require the TSR driver as an interface between the
>card and the software?

No. That is for terminal programs. NET and NOS include the "scc" driver
which has a PCPA mode.

Rob
--
+---------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+---------------------------------+--------------------------------------+

1400. Re: G-TOR PBBS <<Please Try It >>

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-22 22:34:25 UTC
From: Rob <Pse@NoEmail.Com>
Message-ID: <IY6R8.4165$H67.21954@tor-nn1.netcom.ca>
Source record: 5924

GTOR is not a bad mode but it with its 300 baud FSK signal it has
significantly wider bandwidth than Pactor 1 (or Pactor 2). I believe that
it was decided not to support GTOR in Winlink due to its bandwidth.

It is too bad that KANTRONICS did not add a command that would limit the
maximum speed to 200 baud. It would be interesting to compare 200 baud GTOR
with 200 baud GTOR.

Even at 200 baud, I suspect that GTOR would be faster than PACTOR partly
because I don't think KANTRONICS ever did a good job implementing PACTOR in
the KAM or KAM Plus. Compared to my AEA modems, the KANTRONICS modems
appear to ask for more repeats in Pactor especially at the higher 200 baud
Pactor mode. (and often go back to 100 baud). (Maybe Kantronics wanted to
show the GTOR was better??) I hope KANTRONICS has done a better job
implementing Pactor in its KAM XL.

In any event, I applaud you for setting up a GTOR BBS. I would like to see
more GTOR activity. It is not a bad mode and it is definitely better than
the old slow 300 baud HF Packet IMHO.

73
Rob

"Lonnie Juli" <vze25j84@verizon.net> wrote in message
news:dJwQ8.92546$ks6.26088@nwrddc02.gnilink.net...
I have set up a temporary G-TOR PBBS on 14.103MHz LSB (Dial Freq.),
2125/2295 Mark/Space. Link to N2EXU.

I am evaluating whether or not some of the Kantronics owners out there want
to use G-TOR because it's faster than Pactor 1 or any of the less expensive
modes. If the feedback is positive, perhaps a more permanent installation is
possible with cross connects and Internet access as well. Who knows what
this can lead to?

It's not my intention to compete with Winlink. Frankly, Winlink is
practically perfect, but perhaps a few G-TOR nodes would make the system
faster for those users who don't have a Pactor 2 or 3 controller. Let's take
small steps, please.

The system uses the PBBS in a KAM-XL, so there is nothing complicated about
it. The frequency of the PBBS is not permanent and the schedule will vary
depending on a bunch of factors, so please try as often as you can. If
anyone has any observations, I'd like to hear them. The best way would be
via the G-TOR PBBS, but email is good, too.

I appreciate any efforts that are made to try this PBBS and report your
findings.

Thanks and 73,

Lonnie N2EXU

1401. Re: G-TOR PBBS <<Please Try It >>

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-22 23:29:06 UTC
From: Lonnie Juli <vze25j84@verizon.net>
Message-ID: <6L7R8.1438$t7.590@nwrddc03.gnilink.net>
Source record: 5925

The PBBS will be on most weekdays from approx. 0400utc until 2400utc. Please give a try and let's see if it's worth the trouble.

73,
Lonnie N2EXU

"Rob" <Pse@NoEmail.Com> wrote in message
news:IY6R8.4165$H67.21954@tor-nn1.netcom.ca...
> GTOR is not a bad mode but it with its 300 baud FSK signal it has
> significantly wider bandwidth than Pactor 1 (or Pactor 2). I believe that
> it was decided not to support GTOR in Winlink due to its bandwidth.
>
> It is too bad that KANTRONICS did not add a command that would limit the
> maximum speed to 200 baud. It would be interesting to compare 200 baud
GTOR
> with 200 baud GTOR.
>
> Even at 200 baud, I suspect that GTOR would be faster than PACTOR partly
> because I don't think KANTRONICS ever did a good job implementing PACTOR
in
> the KAM or KAM Plus. Compared to my AEA modems, the KANTRONICS modems
> appear to ask for more repeats in Pactor especially at the higher 200 baud
> Pactor mode. (and often go back to 100 baud). (Maybe Kantronics wanted
to
> show the GTOR was better??) I hope KANTRONICS has done a better job
> implementing Pactor in its KAM XL.
>
> In any event, I applaud you for setting up a GTOR BBS. I would like to
see
> more GTOR activity. It is not a bad mode and it is definitely better than
> the old slow 300 baud HF Packet IMHO.
>
> 73
> Rob
>
> "Lonnie Juli" <vze25j84@verizon.net> wrote in message
> news:dJwQ8.92546$ks6.26088@nwrddc02.gnilink.net...
> I have set up a temporary G-TOR PBBS on 14.103MHz LSB (Dial Freq.),
> 2125/2295 Mark/Space. Link to N2EXU.
>
> I am evaluating whether or not some of the Kantronics owners out there
want
> to use G-TOR because it's faster than Pactor 1 or any of the less
expensive
> modes. If the feedback is positive, perhaps a more permanent installation

is
> possible with cross connects and Internet access as well. Who knows what
> this can lead to?
>
> It's not my intention to compete with Winlink. Frankly, Winlink is
> practically perfect, but perhaps a few G-TOR nodes would make the system
> faster for those users who don't have a Pactor 2 or 3 controller. Let's
take
> small steps, please.
>
> The system uses the PBBS in a KAM-XL, so there is nothing complicated
about
> it. The frequency of the PBBS is not permanent and the schedule will vary
> depending on a bunch of factors, so please try as often as you can. If
> anyone has any observations, I'd like to hear them. The best way would be
> via the G-TOR PBBS, but email is good, too.
>
> I appreciate any efforts that are made to try this PBBS and report your
> findings.
>
> Thanks and 73,
>
> Lonnie N2EXU
>
>

1402. Need some help with WINPSK

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-23 04:52:16 UTC
From: Jim K <jkeller@cox.net>
Message-ID: <4ucR8.37833$Ok1.2647110@news2.west.cox.net>
Source record: 5926

I just assembled the Rascal interface kit for the TS-570. When attaching to my PC with motherboard sound, for some reason audio does not appear to be getting to the program. In other words, when I look at the input screen I see a flat line with zero modulation. I'm guessing this is a windows problem. When I go to the recorder setting for the motherboard sound, the recording level cannot be adjusted. I know Audio is being fed through the Rascal as I can take the audio output and feed it to amplified speakers and the tones are amplified just fine.

Would I have better luck with a PCI sound card or am I overlooking looking something very simple, like a windows trick.

Thanks, Jim Keller
WB6YXY

Oceanside, Ca.

1403. Re: Need some help with WINPSK

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-24 05:54:56 UTC
From: Elcid <gator2@webmail.co.za>
Message-ID: <af6c7r$bre8p$1@ID-128558.news.dfncis.de>
Source record: 5927

I have a Rascal sound-card setup which works. There's not a heck of a lot inside the Rascal, and for that matter if you could invert the RTS from the serial port you could pretty well just use a jumper from the audio output right into the TNC except for the isolation xmfr in the Rascal. I would suggest
that if you just leave the Rascal out of the mix and run a mini-plug from the
output to a mini-plug to the input of the TNC something might be learned. Also
I guess you double-clicked on the "speaker" symbol on the tray and set up the
master audio from Windowsl. I just connect a scanner output to the input of the
"TNC" at times. I'm using WinPack and WinAPRS with AGWPE and it works
OK altough I have to keep audio outputs two-blocked. Good Luck

"Jim K" <jkeller@cox.net> wrote in message
news:4ucR8.37833$Ok1.2647110@news2.west.cox.net...
> I just assembled the Rascal interface kit for the TS-570. When attaching
> to my PC with motherboard sound, for some reason audio does not appear to be
> getting to the program. In other words, when I look at the input screen I
> see a flat line with zero modulation. I'm guessing this is a windows
> problem. When I go to the recorder setting for the motherboard sound, the
> recording level cannot be adjusted. I know Audio is being fed through the
> Rascal as I can take the audio output and feed it to amplified speakers and
> the tones are amplified just fine.
>
> Would I have better luck with a PCI sound card or am I overlooking looking
> something very simple, like a windows trick.
>
>
> Thanks, Jim Keller
> WB6YXY
>
> Oceanside, Ca.
>
>

1404. Help decoding PSK31 signals!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-24 12:51:24 UTC
From: neoklis@users.sourceforge.net
Message-ID: <cdcba458.0206240451.ac64505@posting.google.com>
Source record: 5928

Hi!

I am trying to write PSK31 decoder software for Linux and I have gone as far as writing a software phase detector that gives me the BPSK phase reversals but I have been unable to decode these into text. From what I can see form the plot of the phase detector's output, the problem seems to be that there are reversals lasting for more than 2 bits in both phases, indicating that there are runs of 0 bits that longer than 2. From articles that I have read there should be no consecutive zeros in the character (vari) code, since this is the character delimeter, and that in idle periods we have alternate 1/0 (continous reversals) for syncing.

I have checked my code as much as I could but cannot find a bug so far, I also used some simulations that worked OK so I am at a loss explaining this problem. I would greateful for any help on the following:

1. How are the phases identified, e.g. how can we tell which phase a reversal is leading into? My software acts like a synchronous detector, producing a positive or negative value for in-phase and opposite-phase signals relative to a clock locked on the carrier.

2. Has the encoding scheme changed since the original articles? I have not seen a run of identical bits longer than 6 and this seems rather strange. Ofcourse its possible that the phase detector is producing a false reversal, making a few 1's into 0's but if so, I have yet to find out how and why.

Please excuse me for any ignorance of the obvious!

73's and TKS in advance!

5B4AZ

1405. Help W/RDS-RBDS & Computer

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-25 02:21:58 UTC
From: David Goldstein <d.goldstein@worldnet.att.net>
Message-ID: <atQR8.59540$UT.4078010@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5929
Cross-posted to: alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment

I have an ADS RDX-1187 Cadet radio ISA card with the Phillips SAA6579T chip.
I would like to interface between the chip and my computer. Does anyone
know how to do this with this ISA radio card? Any help or instructions are
much appreciated!

1406. Re: Help W/RDS-RBDS & Computer

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-25 12:33:59 UTC
From: Arto Harjula <oh6gj@sral.fi>
Message-ID: <3D18624E.DCCC9337@sral.fi>
Source record: 5930
Cross-posted to: alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment

David Goldstein wrote:
>
> I have an ADS RDX-1187 Cadet radio ISA card with the Phillips SAA6579T chip.
> I would like to interface between the chip and my computer. Does anyone
> know how to do this with this ISA radio card? Any help or instructions are
> much appreciated!

Are you looking for something else than what is available at:
http://www.adstech.com/support/downloads/applications/applications.asp?os=Windows&product_id=RDX-1187

There's Win95 and DOS SW and I have seen also a SDK available somewhere.

t. Arto

1407. Re: Need some help with WINPSK

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-25 18:14:00 UTC
From: KA9CAR <nospam@nospam.usa>
Message-ID: <afaboe$r78$1@news1.tribune.com>
Source record: 5931

Get into your sound mixer program.
The "default" controls that come up are for PLAYBACK. Turn off the input you have the psk connected to. Do a "properties" and go to the RECORD controls. Turn on (in some versions it is UnMute) the input you want to use.

KA9CAR

Jim K <jkeller@cox.net> wrote in message
news:4ucR8.37833$Ok1.2647110@news2.west.cox.net...
> I just assembled the Rascal interface kit for the TS-570. When attaching
> to my PC with motherboard sound, for some reason audio does not appear to be
> getting to the program. In other words, when I look at the input screen I
> see a flat line with zero modulation. I'm guessing this is a windows
> problem. When I go to the recorder setting for the motherboard sound, the
> recording level cannot be adjusted. I know Audio is being fed through the
> Rascal as I can take the audio output and feed it to amplified speakers and
> the tones are amplified just fine.
>
> Would I have better luck with a PCI sound card or am I overlooking looking
> something very simple, like a windows trick.
>
>
> Thanks, Jim Keller
> WB6YXY
>
> Oceanside, Ca.
>
>

1408. AX.25, xNOS, WinTel and Linux - How it all goes together

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-26 00:02:42 UTC
From: kg4giy@arrl.net
Message-ID: <471143fb.0206251602.7f72a523@posting.google.com>
Source record: 5932

Greetings!

I am new to packet and having a devil of a time getting solid information, so I hope someone can help answer this question (which is rather complicated).

Help me out as follows (in each case I am assuming a TNC (Kan 3+)/Radio on VHF/UHF)

1) What is the difference between TNOS and JNOS? Is there one and does it matter? (I am not looking for a MAC vs PC debate here, just information).

1) I have a WinTel system, running MS-DOS. I want to run a BBS. I would need a NOS (TNOS/JNOS) which would handle the AX.25 stack, as well as TCP/IP stuff, some sort of switching software (G8BPQ for example) and the BBS software right (like F6FBB)?

2) I have a WinTel system running Win32 (Win2000), and I want to run a BBS. I would still need something to handle the AX.25 stuff (or I could through the TNC into KISS mode and let it do it). Do I still need a NOS? What BBS software is out there for Win32?

3) Now the big question, I am running a Linux system. Can I just throw the TNC into KISS mode, compile in the AX.25 support and be off and running?

There is more confusion in the setup and software than I have ever seen in the PC world, hense my questions. The end goal is an upgrade of our club node site to something more reliable than an MS-DOS system that is easier to wormhole. I have at the moment, the AX.25 HOW-TO and the mini-HOW-TOs for Linux, read the K3+ manual and the ARRL packet book (Black cover - which really needs updating). Where else can I go for good information.

Thanks in advance!

73,

DAVID/KG4GIY.

1409. Re: AX.25, xNOS, WinTel and Linux - How it all goes together

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-26 01:52:58 UTC
From: MS Bob <msbob@hotmail.com-edy>
Message-ID: <ng3ihu02pqogn0obpajujn6bud3kinq884@4ax.com>
Source record: 5933

On 25 Jun 2002 17:02:42 -0700, kg4giy@arrl.net (David Lane) wrote:

>1) What is the difference between TNOS and JNOS? Is there one and
>does it matter? (I am not looking for a MAC vs PC debate here, just

There are different NOS'es, originally from Phil Karn KA9Q's NOS,
which he stopped supporting and others took over and ended up with a
couple of different deratives. Use one or the other. I have heard that
some consider TNOS to be more "powerful" or "robust", and JNOS
"easier" but that may be largely subjective.

My opinion is that you don't need to run JNOS or TNOS any more. Phil
Karn doesn't seem to think so either.

"If you need direct support for amateur (ham) packet radio, then Linux
is your best bet." <http://people.qualcomm.com/karn/code/ka9qnos/>

I won't make any recommendations about how to use Windows based
systems for a BBS and/or AMPRnet gateway. I would not recommend doing
it that way, but some might say I'm opinionated against not
recommending Windows based "servers".

>3) Now the big question, I am running a Linux system. Can I just
>throw the TNC into KISS mode, compile in the AX.25 support and be off
>and running?
>
>There is more confusion in the setup and software than I have ever
>seen in the PC world, hense my questions. The end goal is an upgrade
>of our club node site to something more reliable than an MS-DOS system
>that is easier to wormhole. I have at the moment, the AX.25 HOW-TO
>and the mini-HOW-TOs for Linux, read the K3+ manual and the ARRL
>packet book (Black cover - which really needs updating). Where else
>can I go for good information.

First off, I will assume you can actually _use_ Linux and are
confortable using it, and doing system administrative tasks such as
updating software (very easy with apt, up2date, and such tools), can
compile a custom linux kernel, and can compile and install software
from a source tallbar.

If so, then I believe that you and your local users will prefer a
system based on Linux.

To enable AX.25 support you need to:

1) put the Kantronics KPC3+ TNC into KISS mode, easily done via
'minicom': "INT KISS" and a power cycle of the TNC.

2) get the latest 2.4 official linux kernel and build a kernel with
AX.25, Net/ROM, and MKISS support (or use a vendor supplied kernel
such as provided from SuSE) include BPQ support if you need it, enable
IP over IP tunnelling for AMPRnet gatewaying, and I would recommend
enabling netfilter (iptables) support as well.
<http://www.us.kernel.org/pub/linux/kernel/v2.4/>
You might prefer the latest pre-release 2.4.19-rc1 at the moment.
There are a few AX.25 patches, and at least one patch which affects
netfilter.

3) build (or install vendor package) for the AX.25 "userland" daemons
and programs (kissattach, ax25d, ax25ipd, call, listen, etc.). These
are available from <http://hams.sourceforge.net/ax25>

4) configure above, see AX.25 HOWTO (version dated 2001)
<http://tldp.org/HOWTO/AX25-HOWTO/>, John Ackermann N8UR
<http://www.febo.com/packet/linux-ax25/index.html>, PA3GCU's (Richard
Adams) <http://people.zeelandnet.nl/pa3gcu/>.

/etc/ax25/axports:
vhf KG4GIY-8 9600 255 2 144.??? MHz (1200 bps)
axip KG4GIY-10 - 255 7 AX/IP Interface

/etc/ax25/nrports:
netnod KG4GIY-7 KG4GIY 235 Node

as root:
$ /sbin/modprobe ax25
$ /sbin/modprobe mkiss
$ /sbin/modprobe netrom

(assuming your KPC TNC is connected to the first serial port,
otherwise alter ttyS0 to ttyS0, ttyS1, ttyS2, ttyS3, or whatever)

as root:
$ /usr/sbin/kissattach -m 256 /dev/ttyS0 vhf vhf.kg4giy.ampr.org
$ /sbin/ifconfig ax0 netmask 255.255.255.0

If you do not yet have an AMPRnet IP address assigned yet to you, you
can replace vhf.kg4giy.ampr.org with 10.0.0.1 or 192.168.0.1 or
172.16.0.1. (These are from not routable on public networks, from RFC
1918)
DO NOT make up something at random from 44.0.0.0/8.

Now you can do something like

$ call vhf k4bbs
(replacing k4bbs with a real local AX.25 NODE in your area)

Now you have a minimal Linux AX.25 system running.

You can now learn about ax25d, and node / node.conf. Check the AX.25
HOWTO and your system's man pages.

5) Now download and compile or install the vendor specific package for F6FBB's FBB <http://www.f6fbb.org/>. Here is a very basic starting point:

/etc/ax25/fbb/ports_l.sys:

```
# (much explaination truncated from original example file...)
#
#Ports TNCs
1 2
#
#Com Interface Address (Device) Baud
1 9 **** 9600
#
# note: vhf and netnod match names from axports and nrports file
#TNC NbCh Com MultCh Pacln Maxfr NbFwd MxBloc M/P-Fwd Mode Freq
1 8 1 vhf 250 7 2 10 30/01 XUWYL ax0
2 8 1 netnod 250 7 2 10 30/01 XUWYL netrom
#
#TNC Nbs Callsign-SSID Mode
1 2 KG4GIY-1 B
#
```

Once you have that all configured, and working. Then wait a couple of weeks, fix the gripes, and then wait another week and then...

6) Carefully read everything at <http://www.ampr-gateways.org/> at least three times. Now stop, go back and read everything again. If you are not very familiar with the joys of TCP/IP, 7 layers of OSI, ifconfig, route, iproute2 <http://www.tldp.org/HOWTO/Adv-Routing-HOWTO.html>, and TCPdump <http://www.tcpdump.org/>, enlist aid of someone who is familiar with the details of TCP/IP.

I modified tunnel-munge script in AX.25 HOWTO to output using iproute2 rather than route, and here is an excerpt from it...

```
as root
# MY_AMPR_GATEWAY_IP=44.??.??.??
# MY_LOCAL_RF_SUBNET=44.??.??.??/24
# /sbin/ifconfig tunl0 $MY_AMPR_GATEWAY_IP netmask 255.255.255.255 \
> mtu 1024 up
# ip route add $MY_LOCAL_RF_SUBNET dev ax0

# ip route add 44.??.?.0/24 via 12.???.???.?? dev tunl0 \
> proto static onlink
ip route add 44.??.???.0/24 via 128.???.??.?? dev tunl0 \
> proto static onlink
...
ip route add 44.0.0.0/8 via 128.???.??.?? dev tunl0 \
> proto static onlink
```

(where the '>' is part of the line wrapping, and not to be entered)

I would recommend subscribing to linux-hams mailing list or at least reading through the archives <http://hes.iki.fi/archive/linux-hams/> when you have problems. You also need to know about Linux Ham radio Database <http://radio.linux.org.au/>.

I hope that helps you at least get started in the right direction.

1410. FS: Sony ICF-2010

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-26 01:56:21 UTC
From: wampus@nc.rr.com
Message-ID: <3d191f38.1577948@news-server.nc.rr.com>
Source record: 5934

For Sale: Sony ICF-2010 Portable SW receiver with enhanced KIWA SSB and AM filters installed. Very good condition, includes mains power supply and users manual. US$300 plus $10 shipping. Buy the radio and I'll throw in a Sony AN-1 active antenna for free!

The KIWA filters make this an EXCELLENT radio for program and SSB listening. Please see the KIWA website for specifics http://www.kiwa.com/sony.html.

Please reply via email to wampus@nc.rr.com

73s

Chuck
Durham, NC USA

1411. Re: AX.25, xNOS, WinTel and Linux - How it all goes together

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-26 02:34:16 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0206260231400.4012-100000@exp.bde-arc.ampr.org>
Source record: 5935

On 25 Jun 2002, David Lane wrote:
>Greetings!
>
>I am new to packet and having a devil of a time getting solid
>information, so I hope someone can help answer this question (which is
>rather complicated).
>
>Help me out as follows (in each case I am assuming a TNC (Kan
>3+)/Radio on VHF/UHF)
>
>1) What is the difference between TNOS and JNOS? Is there one and
>does it matter? (I am not looking for a MAC vs PC debate here, just
>information).
>
>1) I have a WinTel system, running MS-DOS. I want to run a BBS. I
>would need a NOS (TNOS/JNOS) which would handle the AX.25 stack, as
>well as TCP/IP stuff, some sort of switching software (G8BPQ for
>example) and the BBS software right (like F6FBB)?
>
>2) I have a WinTel system running Win32 (Win2000), and I want to run a
>BBS. I would still need something to handle the AX.25 stuff (or I
>could through the TNC into KISS mode and let it do it). Do I still
>need a NOS? What BBS software is out there for Win32?
>
>3) Now the big question, I am running a Linux system. Can I just
>throw the TNC into KISS mode, compile in the AX.25 support and be off
>and running?

Yes. Kind of makes the rest of the questions moot. You'll still need
application programs to do things like your BBS, but the routing and stuff
replaces half of the PC version of NOS. There are versions of these NOS's for
Linux (which I assume take advantage of this fact - I haven't looked at them).

>There is more confusion in the setup and software than I have ever
>seen in the PC world, hense my questions. The end goal is an upgrade
>of our club node site to something more reliable than an MS-DOS system
>that is easier to wormhole. I have at the moment, the AX.25 HOW-TO
>and the mini-HOW-TOs for Linux, read the K3+ manual and the ARRL
>packet book (Black cover - which really needs updating). Where else
>can I go for good information.

1412. PSK31 on an HP 200 LX, anyone tried it??

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-26 07:49:19 UTC
From: kl0an <pauljordan@gci.net>
Message-ID: <uhiskq7kfb8dbb@corp.supernews.com>
Source record: 5936

I'm looking to hook up my HP 200 LX into a PSK31 station with a PCMCIA soundcard, a rigblaster or equal, and then my ICOM 706. This will be a very small mobile PSK31 station. Has anyone tried this?? If so, some questions:

What software did you try and what were the results??
What PCMCIA Sound Card did you try and what were the results??
Any suggestions??

I know the HP 200 LX is a great little packet computer but, I want to try and go for something a little more useful.

Any help is greatly appreciated.

73
Paul Jordan
kl0an

1413. MFJ-1276 help

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-26 11:49:23 UTC
From: REMOVETHISvk2gjt@winnet.com.au
Message-ID: <3d19a8c5.770397@news.ozemail.com.au>
Source record: 5937

Hello all,

I have a MFJ-1276 Packet/Pactor tnc, with a bit of a problem. I cannot get the unit to go into pactor mode. I have followed the advice in the handbook (typing in Pactor then enter) but the unit appears not to recognise the command.

I have checked all the jumpers as per the handbook, and all appear in the right position. All the IC's in the device appeared properly seated and in the right slots.

The main system chip has release 2.2 $70c written on it, and the board appears common to the 1270/1274/1276 by the printing on it.

Does anyone have any information on this?? Is it possible that the main system chip (U23) that was supplied was one only for maybe the 1270, as the unit performs perfectly in packet.

Looking forward to any replies or assistance with this at all.

Thanks,

Gregory Towells vk2gjt

vk2gjt@winnet.com.au

1414. Linux Program to control KAM+ ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-26 22:47:27 UTC
From: rh3x@erols.com
Message-ID: <r1hkhu0edcqdk2b0dto9l3v6su4e1iit9d@4ax.com>
Source record: 5938

Hello:
Looking for a linux program to control the KAM+ .

Thanks,

de Rich/N2JR

1415. Re: Linux Program to control KAM+ ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-26 23:04:41 UTC
From: xpyttl <xpyttl_nospam@earthling.net>
Message-ID: <uhki4vh9nqtr5b@corp.supernews.com>
Source record: 5939

It's called minicom. You have it already.

..

<rh3x@erols.com> wrote in message
news:r1hkhu0edcqdk2b0dto9l3v6su4e1iit9d@4ax.com...
> Hello:
> Looking for a linux program to control the KAM+ .
>
> Thanks,
>
> de Rich/N2JR
>

1416. Re: PSK31 on an HP 200 LX, anyone tried it??

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-27 19:46:37 UTC
From: clonemaster <jond_post505@hotmail.com>
Message-ID: <uhmquibtot7rf1@corp.supernews.com>
Source record: 5940

Paul, the DOS based lx series are good packet computers because they are just terminals using a TNC. I don't think anyone is running agwpe with a soundcard on them. Someone please correct me, but I'm pretty sure we need a cpu faster than 8MHz (that's 8, not 800) to run psk31. I think a fast 486 or slow pentium is the minimum needed to run psk31.

JD

"kl0an" <pauljordan@gci.net> wrote in message
news:uhiskq7kfb8dbb@corp.supernews.com...
> I'm looking to hook up my HP 200 LX into a PSK31 station with a PCMCIA
> soundcard, a rigblaster or equal, and then my ICOM 706. This will be a
very
> small mobile PSK31 station. Has anyone tried this?? If so, some
questions:
>
> What software did you try and what were the results??
> What PCMCIA Sound Card did you try and what were the results??
> Any suggestions??
>
> I know the HP 200 LX is a great little packet computer but, I want to try
> and go for something a little more useful.
>
> Any help is greatly appreciated.
>
> 73
> Paul Jordan
> kl0an
>
>

1417. Re: Linux Program to control KAM+ ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-27 22:08:54 UTC
From: rh3x@erols.com
Message-ID: <n63nhug0meis9g6h3ik5q4417i1l8hkdt3@4ax.com>
Source record: 5941

OK. Thanks, I'll search for it.

On Wed, 26 Jun 2002 19:04:41 -0400, "xpyttl"
<xpyttl_nospam@earthling.net> wrote:

>It's called minicom. You have it already.
>
>..
>
><rh3x@erols.com> wrote in message
>news:r1hkhu0edcqdk2b0dto9l3v6su4e1iit9d@4ax.com...
>> Hello:
>> Looking for a linux program to control the KAM+ .
>>
>> Thanks,
>>
>> de Rich/N2JR
>>
>

1418. Re: Linux Program to control KAM+ ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-27 22:45:09 UTC
From: k9wkj <k9wkj@hotmail.com>
Message-ID: <QxMS8.2077$eV4.78746@reggie.win.bright.net>
Source record: 5942

ther is one called KamQT search for it its out there
its Xwindows based and works well

cul de k9wkj
<rh3x@erols.com> wrote in message
news:n63nhug0meis9g6h3ik5q4417i1l8hkdt3@4ax.com...
> OK. Thanks, I'll search for it.
>
>
> On Wed, 26 Jun 2002 19:04:41 -0400, "xpyttl"
> <xpyttl_nospam@earthling.net> wrote:
>
> >It's called minicom. You have it already.
> >
> >..
> >
> ><rh3x@erols.com> wrote in message
> >news:r1hkhu0edcqdk2b0dto9l3v6su4e1iit9d@4ax.com...
> >> Hello:
> >> Looking for a linux program to control the KAM+ .
> >>
> >> Thanks,
> >>
> >> de Rich/N2JR
> >>
> >
>

1419. Re: Linux Program to control KAM+ ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-27 23:12:45 UTC
From: xpyttl <xpyttl_nospam@earthling.net>
Message-ID: <uhn89aear6fg5f@corp.supernews.com>
Source record: 5943

You don't have to search very far ... open a terminal window and type:

man minicom

If you are more GUI-oriented, you may like K9WKJ's suggestion better.
minicom is sort of the bare minimum. It works fine, but it gives you
absolutely no help. Personally, I'm a little more of a bare-to-the-metal
type, so I use minicom. Has everything I need, and no expensive overhead
that I don't.

..

<rh3x@erols.com> wrote in message
news:n63nhug0meis9g6h3ik5q4417i1l8hkdt3@4ax.com...
> OK. Thanks, I'll search for it.
>
>
> On Wed, 26 Jun 2002 19:04:41 -0400, "xpyttl"
> <xpyttl_nospam@earthling.net> wrote:
>
> >It's called minicom. You have it already.
> >
> >..
> >
> ><rh3x@erols.com> wrote in message
> >news:r1hkhu0edcqdk2b0dto9l3v6su4e1iit9d@4ax.com...
> >> Hello:
> >> Looking for a linux program to control the KAM+ .
> >>
> >> Thanks,
> >>
> >> de Rich/N2JR
> >>
> >
>

1420. Re: Linux Program to control KAM+ ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-28 00:18:56 UTC
From: rh3x@erols.com
Message-ID: <ananhus5h1ckep1fq171c8lqedlukkpsvt@4ax.com>
Source record: 5944

Loaded minicom (Suse 7.3), it just quickly flashes on the screen the
vanishes! No error messages or anything. Yast2 was supposed to load
all dependencies. Too new to linux to perform any diagnostics to
identy what the problem is.

de Rich/N2JR

On Thu, 27 Jun 2002 19:12:45 -0400, "xpyttl"
<xpyttl_nospam@earthling.net> wrote:

>You don't have to search very far ... open a terminal window and type:
>
> man minicom
>
>If you are more GUI-oriented, you may like K9WKJ's suggestion better.
>minicom is sort of the bare minimum. It works fine, but it gives you
>absolutely no help. Personally, I'm a little more of a bare-to-the-metal
>type, so I use minicom. Has everything I need, and no expensive overhead
>that I don't.
>
>..
>
><rh3x@erols.com> wrote in message
>news:n63nhug0meis9g6h3ik5q4417i1l8hkdt3@4ax.com...
>> OK. Thanks, I'll search for it.
>>
>>
>> On Wed, 26 Jun 2002 19:04:41 -0400, "xpyttl"
>> <xpyttl_nospam@earthling.net> wrote:
>>
>> >It's called minicom. You have it already.
>> >
>> >..
>> >
>> ><rh3x@erols.com> wrote in message
>> >news:r1hkhu0edcqdk2b0dto9l3v6su4e1iit9d@4ax.com...
>> >> Hello:
>> >> Looking for a linux program to control the KAM+ .
>> >>
>> >> Thanks,
>> >>
>> >> de Rich/N2JR
>> >>
>> >
>>

>

1421. Edimax EP4000A Ethernet Adapter + NOS?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-28 04:33:17 UTC
From: kwick@mitre.org
Message-ID: <kwick-2806020033170001@mbppp216.mitre.org>
Source record: 5945

Edimax EP4000A Ethernet Adapter w/ NOS

We recently purchased an Edimax EP4000A PCMCIA Ethernet Adapter, which is advertized
as being compatible with NOS. We attached it and ran the packet driver that
is downloadable from the Edimax site.

So far we have been able to transmit with the card,
but have not received anything with it.

Our Problem in detail:
NOS transmits packets to nodes on the network, but does not receive the responses, nor does it read any packet traffic on the network when the TRACE function is ON.

We believe that we have successfully installed the client driver PCPKT.COM because the NOS "attach packet" command can be successfully executed and the system responds correctly to the related interface status requests. For example, the interface status command reports the correct adapter stats and hardware address. The card appears to properly

transmit packets on the network and network nodes are responding correctly to these packets as observed with a network analyzer. The fact

that NOS is transmitting correctly also suggests that the NOS attach packet command has been properly executed and the PCPKT driver is functioning correctly, at least for outgoing packets.

The receive function, however, appears to be totally inoperative. This is
evidenced using the TRACE function of NOS in conjunction with a network analyzer. All network packets appearing at the input port fail to reach the application layer.

The above "one-way" behavior initially suggests a hardware problem that may be interrupt related. However, when the EP4000 is set up to function

with the conventional WINDOWS 98 drivers, protocols and applications, normal network behavior is achieved.

Is anyone familiar with NOS and the PCPKT driver interface for the EP4000A?

TIA, kwick@mitre.org

1422. Re: Linux Program to control KAM+ ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-28 07:34:33 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnaho4c8.o0d.nomail@linux.pe1chl.ampr.org>
Source record: 5946

rh3x@erols.com <rh3x@erols.com> wrote:
>Loaded minicom (Suse 7.3), it just quickly flashes on the screen the
>vanishes! No error messages or anything. Yast2 was supposed to load
>all dependencies. Too new to linux to perform any diagnostics to
>identy what the problem is.

Start a terminal window (the black screen icon) and type minicom in there.

When you want something that can be run as a graphical application you can
try Seyon.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

1423. Re: Linux Program to control KAM+ ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-28 14:10:44 UTC
From: xpyttl <xpyttl_nospam@earthling.net>
Message-ID: <uhork16r0eq917@corp.supernews.com>
Source record: 5947

```
Log on as root, type minicom -s to set up the default port, etc.

..

<rh3x@erols.com> wrote in message
news:ananhus5h1ckep1fq171c8lqedlukkpsvt@4ax.com...
> Loaded minicom (Suse 7.3), it just quickly flashes on the screen the
> vanishes! No error messages or anything. Yast2 was supposed to load
> all dependencies. Too new to linux to perform any diagnostics to
> identy what the problem is.
>
> de Rich/N2JR
>
>
> On Thu, 27 Jun 2002 19:12:45 -0400, "xpyttl"
> <xpyttl_nospam@earthling.net> wrote:
>
> >You don't have to search very far ... open a terminal window and type:
> > >
> > > man minicom
> > >
> > >If you are more GUI-oriented, you may like K9WKJ's suggestion better.
> > >minicom is sort of the bare minimum. It works fine, but it gives you
> > >absolutely no help. Personally, I'm a little more of a bare-to-the-metal
> > >type, so I use minicom. Has everything I need, and no expensive overhead
> > >that I don't.
> > >
> > >..
> > >
> > ><rh3x@erols.com> wrote in message
> > >news:n63nhug0meis9g6h3ik5q4417i1l8hkdt3@4ax.com...
> > >> OK. Thanks, I'll search for it.
> > >>
> > >>
> > >> On Wed, 26 Jun 2002 19:04:41 -0400, "xpyttl"
> > >> <xpyttl_nospam@earthling.net> wrote:
> > >>
> > >> >It's called minicom. You have it already.
> > >> >
> > >> >..
> > >> >
> > >> ><rh3x@erols.com> wrote in message
> > >> >news:r1hkhu0edcqdk2b0dto9l3v6su4e1iit9d@4ax.com...
> > >> >> Hello:
> > >> >> Looking for a linux program to control the KAM+ .
```

> >> >>
> >> >> Thanks,
> >> >>
> >> >> de Rich/N2JR
> >> >>
> >> >
> >>
> >
>

1424. Re: Linux Program to control KAM+ ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-29 14:21:08 UTC
From: Chris Vine <chris@cvine--nospam--.freeserve.co.uk>
Message-ID: <kofkfa.br3.ln@boulder.localdomain>
Source record: 5948

rh3x@erols.com wrote:

> Hello:
> Looking for a linux program to control the KAM+ .
>
> Thanks,
>
> de Rich/N2JR

Go to www.cvine.freeserve.co.uk/kamplus/ for a host mode program.

Chris

--
--- To reply by e-mail, remove the --nospam--

1425. 500 irlp nodes now connected to repeaters

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-06-29 14:22:29 UTC
From: g3zhi@hotmail.com
Message-ID: <3d1f3292.1700889@news.btinternet.com>
Source record: 5949

for more info

http://www.qsl.net/g3zhi

1426. Re I suppose this is the right group

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-01 04:17:43 UTC
From: perry chamberlain <kato@qnet.com>
Message-ID: <3D1FD7E7.5FC1C913@qnet.com>
Source record: 5950

the group you posted your message to is a ham
radio (two way radio hobby group) group.
ham radio deals with transmitting and receiving
radio signals from other amateurs.(fcc licensed
communication class)
it has nothing to do with digital audio hi fi ands
stereo systems, cd's or records or music systems.

--
Perry Chamberlain
Kato@qnet.com
Liv'n on de Edge n de Desert
Everyone has someone in their family who is crazy,

if you don't know who it is, its you!

1427. 65536 Coding in Cordless Phones

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-02 01:23:36 UTC
From: sampett456@yahoo.co.uk
Message-ID: <d8f8142b.0207011723.4458e12f@posting.google.com>
Source record: 5851
Cross-posted to: rec.radio.scanner,rec.radio.amateur.digital.misc

How to decode the 65536 combination security coding in 43/46 MHz cordless phones ?

Thanks

1428. Re: 65536 Coding in Cordless Phones

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-02 03:33:47 UTC
From: Bruce Lane <nanae2.4.spamvac@spamgourmet.com>
Message-ID: <MPG.178abef7b836298998990d@news.drizzle.com>
Source record: 5852
Cross-posted to: rec.radio.scanner,rec.radio.amateur.digital.misc

In article <d8f8142b.0207011723.4458e12f@posting.google.com>,
sampett456@yahoo.co.uk says...

> How to decode the 65536 combination security coding in 43/46 MHz
> cordless phones ?

Two things come immediately to mind.

First, who has something to say that is fascinating enough to go to
the effort?

Second: The "security" code used in low-end cordless phones is,
typically, used only to make sure that the handset from one unit cannot
access the base from another unit and vice-versa. If you're really bored
enough to want to monitor the traffic, any good scanner should be able to
do it for you.

--
Bruce Lane, Owner and Head Hardware Heavy,
Blue Feather Technologies -- http://www.bluefeathertech.com
Amateur Radio: KC7GR (Formerly WD6EOS) since 12-77.
kyrrin (a/t) bluefeathertech dot-com (Reassemble to use)
"I'll get a life when someone demonstrates to me it would be superior to
what I have now..." (Taki Kogoma)

1429. Strange Sound on 17 meters - 17 Meters.wav (0/1)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-04 00:01:12 UTC
From: Jim Irvine <ve9wh@nbnet.nb.ca>
Message-ID: <9r37iugicjsma8j4f2kap82np6j0g1v9us@4ax.com>
Source record: 5853

I heard this sound on 17 meters on Tueday July 3. I've never heard
this one before anyone have any ideas?????

73

Jim VE9WH / VE9TTY

1430. Mixw vs. Hamscope

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-04 12:47:46 UTC
From: Egon Zürrer <egon.zuerrer@balcab.ch>
Message-ID: <3D2443F2.3350BF1E@balcab.ch>
Source record: 5854

Hello all,
Has somebody experience in comparing Mixw and Hamscope as to performance
and handling and would be ready sharing it with me? Which of these
programs is wider in use?
Thanks in advance
Egon

1431. Re: Strange Sound on 17 meters - 17 Meters.wav (0/1)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-04 13:52:50 UTC
From: Bruce Lane <nanae2.4.spamvac@spamgourmet.com>
Message-ID: <MPG.178df30ee6c11f92989923@news.drizzle.com>
Source record: 5855

In article <9r37iugicjsma8j4f2kap82np6j0g1v9us@4ax.com>,
ve9wh@nbnet.nb.ca says...

> From: Jim Irvine <ve9wh@nbnet.nb.ca>
> Newsgroups: rec.radio.amateur.digital.misc
> NNTP-Posting-Host: 198.164.210.225
> Subject: Strange Sound on 17 meters - 17 Meters.wav (0/1)
>
> I heard this sound on 17 meters on Tueday July 3. I've never heard
> this one before anyone have any ideas?????

Please don't try to post binary files to text-only newsgroups. Set
up the file on a web site, and post the LINK to said newsgroup.

Keep the peace(es).

--
Bruce Lane, Owner and Head Hardware Heavy,
Blue Feather Technologies -- http://www.bluefeathertech.com
Amateur Radio: KC7GR (Formerly WD6EOS) since 12-77.
kyrrin (a/t) bluefeathertech dot-com (Reassemble to use)
"I'll get a life when someone demonstrates to me it would be superior to
what I have now..." (Taki Kogoma)

1432. Re: Strange Sound on 17 meters - 17 Meters.wav (0/1)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-04 20:46:20 UTC
From: AB2HR <ab2hr@arrl.net>
Message-ID: <b6k9iu4i3t4408tgp4be5rmpltd71kp6id@4ax.com>
Source record: 5856

On Thu, 4 Jul 2002 06:52:50 -0700, Bruce Lane
<nanae2.4.spamvac@spamgourmet.com> wrote:

>In article <9r37iugicjsma8j4f2kap82np6j0g1v9us@4ax.com>,
>ve9wh@nbnet.nb.ca says...
>
>> From: Jim Irvine <ve9wh@nbnet.nb.ca>
>> Newsgroups: rec.radio.amateur.digital.misc
>> NNTP-Posting-Host: 198.164.210.225
>> Subject: Strange Sound on 17 meters - 17 Meters.wav (0/1)
>>
>> I heard this sound on 17 meters on Tueday July 3. I've never heard
>> this one before anyone have any ideas?????
>
> Please don't try to post binary files to text-only newsgroups. Set
>up the file on a web site, and post the LINK to said newsgroup.
>
> Keep the peace(es).

Oh, for crying out loud... Join the later half of the last decade of
the 20th century and get a real ISP with broadband support... The guy
was just trying to get an answer to a question, for Christ's sake...

Raymond Sirois AB2HR
SysOp: The Lost Chord BBS
607-733-5745
telnet://thelostchord.dns2go.com:6000

1433. Re: Strange Sound on 17 meters - 17 Meters.wav (0/1)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-04 21:10:00 UTC
From: g0lfp@hotmail.com
Message-ID: <memo.20020704221030.29777E@127.0.0.1>
Source record: 5857

In article <b6k9iu4i3t4408tgp4be5rmpltd71kp6id@4ax.com>, ab2hr@arrl.net (AB2HR) wrote:
> Oh, for crying out loud... Join the later half of the last decade of
> the 20th century and get a real ISP with broadband support... The guy
> was just trying to get an answer to a question, for Christ's sake...

WHOOOAAAHHH !!!

YOU stand to get well flamed for comments like that.. you MUST understand, that not all of the world, let alone the USA is able to get broadband, I for one would love to have it, but can't. That's nothing to do with the ISP, that's to do with geography and telco's. Like many, many others I pay for my connection via a dial-up modem, at best 44kbps, so that last thing I want to see is a binary attachment in a text newsgroup.

Bruce is right, post a message with a link to a file on your web space, then people like us 'G's that can't get broadband yet, will also be happy.

Nothing personal, just think of us.

73, - Steve
ICQ 8554470

1434. Re: Strange Sound on 17 meters - 17 Meters.wav (0/1)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-05 04:43:16 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <Et9V8.78425$UT.5340514@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5858

"AB2HR" <ab2hr@arrl.net> wrote in message
news:b6k9iu4i3t4408tgp4be5rmpltd71kp6id@4ax.com...
> On Thu, 4 Jul 2002 06:52:50 -0700, Bruce Lane
> <nanae2.4.spamvac@spamgourmet.com> wrote:
>
> >In article <9r37iugicjsma8j4f2kap82np6j0g1v9us@4ax.com>,
> >ve9wh@nbnet.nb.ca says...
> >
> >> From: Jim Irvine <ve9wh@nbnet.nb.ca>
> >> Newsgroups: rec.radio.amateur.digital.misc
> >> NNTP-Posting-Host: 198.164.210.225
> >> Subject: Strange Sound on 17 meters - 17 Meters.wav (0/1)
> >>
> >> I heard this sound on 17 meters on Tueday July 3. I've never heard
> >> this one before anyone have any ideas?????
> >
> > Please don't try to post binary files to text-only newsgroups. Set
> >up the file on a web site, and post the LINK to said newsgroup.
> >
> > Keep the peace(es).
>
> Oh, for crying out loud... Join the later half of the last decade of
> the 20th century and get a real ISP with broadband support... The guy
> was just trying to get an answer to a question, for Christ's sake...
>
> Raymond Sirois AB2HR
> SysOp: The Lost Chord BBS
> 607-733-5745
> telnet://thelostchord.dns2go.com:6000

Or do like I did and notice the size of the post ... and read the small one
first to see what the big one was about. Then I grabbed the WAV file
and listened to it. Sounded a lot like some variety of PICCOLO.

An MP3 would have been a whole bunch smaller though :-)

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1435. Re: Strange Sound on 17 meters - 17 Meters.wav (0/1)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-05 21:07:06 UTC
From: Duncan Clark <NEWS@[127.0.0.1]>
Message-ID: <psQnc1F6pgJ9Ewjq@ntlworld.com>
Source record: 5859

In message <b6k9iu4i3t4408tgp4be5rmpltd71kp6id@4ax.com>, AB2HR
<ab2hr@arrl.net> writes
>Oh, for crying out loud... Join the later half of the last decade of
>the 20th century and get a real ISP with broadband support... The guy
>was just trying to get an answer to a question, for Christ's sake...

ISP has nothing to do with it. It is the charter of the newsgroup that
counts. Most newsgroup charters normally say no binaries. Posting a
binary is inconsiderate when a URL will do.

Duncan
G4ELJ
.
--
Support bacteria. They are the only culture some people have.

Duncan Clark

1436. Re: Strange Sound on 17 meters - 17 Meters.wav (0/1)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-06 02:00:35 UTC
From: xpyttl <xpyttl_nospam@earthling.net>
Message-ID: <uiclmkm8l1poe5@corp.supernews.com>
Source record: 5860

"Duncan Clark" <NEWS@[127.0.0.1]> wrote in message
news:psQnc1F6pgJ9Ewjq@ntlworld.com...

> ISP has nothing to do with it. It is the charter of the newsgroup that
> counts. Most newsgroup charters normally say no binaries. Posting a
> binary is inconsiderate when a URL will do.

A lot of news servers, including mine, won't post or forward a message
containing a binary except in binaries newsgroups. There are a LOT of good
reasons for not posting binaries where they are not expected. Especially
.WAVs which some newsreaders can't turn off reading if they exist, and which
recently have been carrying viruses. They're not quite like a .jpg, folks.

..

1437. Re: Mixw vs. Hamscope

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-06 11:03:52 UTC
From: cprstn54zz@att.net
Message-ID: <3d26cd8c.188178062@news-server.optonline.net>
Source record: 5861

On Thu, 04 Jul 2002 12:47:46 +0000, Egon =?iso-8859-1?Q?Z=FCrrer?=
<egon.zuerrer@balcab.ch> wrote:
>Has somebody experience in comparing Mixw and Hamscope

I posted something similar a while back: the only response I got as to MixW is to try it. I have been subscribing to the MixW list on Yahoo for a while and can say that MixW is definitely a work in progress and covers many bases.

The cost is minimal compared to the time you will invest in any of these programs to master navigation and parameter-setting. I was looking for the most versatile program and gave up on definitively finding it.

Ken KC2JDY

Ken
(to reply via email
remove "zz" from address)

1438. Re: Strange Sound on 17 meters - 17 Meters.wav (0/1)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-06 16:10:21 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <NDEV8.81132$UT.5515453@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5862

What utter nonesense.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"xpyttl" <xpyttl_nospam@earthling.net> wrote in message
news:uiclmkm8l1poe5@corp.supernews.com...
> "Duncan Clark" <NEWS@[127.0.0.1]> wrote in message
> news:psQnc1F6pgJ9Ewjq@ntlworld.com...
>
> > ISP has nothing to do with it. It is the charter of the newsgroup that
> > counts. Most newsgroup charters normally say no binaries. Posting a
> > binary is inconsiderate when a URL will do.
>
> A lot of news servers, including mine, won't post or forward a message
> containing a binary except in binaries newsgroups. There are a LOT of good
> reasons for not posting binaries where they are not expected. Especially
> .WAVs which some newsreaders can't turn off reading if they exist, and which
> recently have been carrying viruses. They're not quite like a .jpg, folks.
>
> ..
>
>

1439. Re: Mixw vs. Hamscope

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-06 18:31:44 UTC
From: "J. Duffy Beischel" <jduffy@zoomtown.com>
Message-ID: <uiedsgp048v1e1@corp.supernews.com>
Source record: 5863

Hamscope is a very good program, but MixW has more modes built into it. For the basics, Hamscope is nice. For more than the basics, you want MixW. It works extremely well and I disagree with the other poster's opinion that it is a "work in progress". Sure it is constantly being enhanced with more modes and capabilities, but "work in progress" implies and buggy program and it is not buggy. Never had an issue with it yet.

Duffy
www.wb8nut.com

"Egon Z&#65533;rrer" <egon.zuerrer@balcab.ch> wrote in message
news:3D2443F2.3350BF1E@balcab.ch...
> Hello all,
> Has somebody experience in comparing Mixw and Hamscope as to performance
> and handling and would be ready sharing it with me? Which of these
> programs is wider in use?
> Thanks in advance
> Egon
>

1440. FT-1000MP Pactor Settings

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-06 20:25:04 UTC
From: 3518693@mail.com
Message-ID: <740cebc3.0207061225.5a539727@posting.google.com>
Source record: 5864

Hi...

I have an FT-1000MP (original version) and an AEA PK-900. Does anyone know what settings I should change on the internal menus to get Pactor to work on the MP, using the Packet mode on the radio? Is there a better way of doing it? I am feeding the radio with the modem through the rear panel jack.

Thanks,

MW

1441. Re: Strange Sound on 17 meters - 17 Meters.wav (0/1)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-06 20:49:22 UTC
From: Marco S Hyman <marc@snafu.org>
Message-ID: <x7sn2wfup9.fsf@hana.snafu.org>
Source record: 5865

"Hank Oredson" <horedson@att.net> writes:

> What utter nonesense.

Which part? .wav carrying a virus? Perhaps they are confused by
virus that propogate via mime parts that pretend to be audio/x-wav.
As for the "won't post or forward a message containing a binary except
in binaries newsgroups" part... that may well be correct. My upstream
server, for example, says this about binaries:

No Binaries
It is not allowed to post binary files such as images, animations,
videos, sound files, executables, etc.

(http://news.cis.dfn.de/en/rules.html). That policy seems to be backed
by software as I've never seen a binary pass through their server. The
binary for the referenced article, for example, did not show up.

// marc

1442. Re: Strange Sound on 17 meters - 17 Meters.wav (0/1)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-07 02:08:37 UTC
From: Bruce Lane <nanae2.4.spamvac@spamgourmet.com>
Message-ID: <MPG.17914281da68b6bc989927@news.drizzle.com>
Source record: 5866

In article <b6k9iu4i3t4408tgp4be5rmpltd71kp6id@4ax.com>, ab2hr@arrl.net
says...

<snip>

> Oh, for crying out loud... Join the later half of the last decade of
> the 20th century and get a real ISP with broadband support... The guy
> was just trying to get an answer to a question, for Christ's sake...

"Oh for crying out loud" back at you! ;-)

You must not be aware that Usenet postings go worldwide no matter
where they originate. In many countries, Internet access is far from free
or easily affordable. There are still lots of places on the planet where
people pay by the minute, and/or by the kilobyte downloaded, for their
connectivity.

Your comment about getting a "real ISP" is typically arrogant in
its assumption that everyone on the planet is FORTUNATE ENOUGH to have
access to a "real ISP," let alone one with broadband support.

Every time someone posts a binary file to a text-only newsgroup,
that file gets sent all over the world. Readers of that newsgroup are, by
the very nature of how Usenet functions, compelled to download that file
whether they want it or not.

By posting said binary, even with the best of intentions, the
poster can easily end up costing someone else more money than they might
have available, or choose to spend, for their Internet access quota in a
given period.

Why do you think there was a whole separate hierarchy, called
alt.binaries.*, established early on? Why do you think it's still there
today? People that want binaries can find them easily enough.

Do you really think that someone else who may have no interest
whatsoever in the file posted should be forced to download it? I've been
a part of the Internet community since the mid-80's, and I don't think
they should.

I'm sorry if you disagree.

--
Bruce Lane, Owner and Head Hardware Heavy,
Blue Feather Technologies -- http://www.bluefeathertech.com
Amateur Radio: KC7GR (Formerly WD6EOS) since 12-77.
kyrrin (a/t) bluefeathertech dot-com (Reassemble to use)
"I'll get a life when someone demonstrates to me it would be superior to

what I have now..." (Taki Kogoma)

1443. Re: Strange Sound on 17 meters - 17 Meters.wav (0/1)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-07 03:56:38 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <WZOV8.82541$UT.5581903@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5867

"Marco S Hyman" <marc@snafu.org> wrote in message
news:x7sn2wfup9.fsf@hana.snafu.org...
> "Hank Oredson" <horedson@att.net> writes:
>
> > What utter nonesense.
>
> Which part? .wav carrying a virus?

The part about a "Strange Sound on 17 meters".
I do not think it was a virus.

Oh ... .WAV files do not (and can not) carry a virus.
Ditto .JPG and .GIF.

Perhaps you were confused by a file named, for example,
I-AM-A-VIRUS.WAV.VBS, when your settings were
such that you could not see the trailing .VBS.

All the virii you mentioned count on this sort of ignorance.

"There is a sucker born every minute." -- 'ol P.T.
"But why do they all post to usenet?" -- (Check alt.flame for the author ...)

So what do you think that signal WAS?
Did you listen to the .WAV file?
What's your callsign?

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1444. Re: Strange Sound on 17 meters - 17 Meters.wav (0/1)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-07 03:58:18 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <u%OV8.82548$UT.5581882@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5868

"Bruce Lane" <nanae2.4.spamvac@spamgourmet.com> wrote in message
news:MPG.17914281da68b6bc989927@news.drizzle.com...
> In article <b6k9iu4i3t4408tgp4be5rmpltd71kp6id@4ax.com>, ab2hr@arrl.net
> says...

> Every time someone posts a binary file to a text-only newsgroup,
> that file gets sent all over the world. Readers of that newsgroup are, by
> the very nature of how Usenet functions, compelled to download that file
> whether they want it or not.

Huh?
Are you really that ignorant, or are you just trolling?

What do YOU think the signal was?
What is your callsign?

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1445. Re: ROHM BA1404 FM STEREO TRANSMITTER CHIPS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-07 04:00:16 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <k1PV8.82557$UT.5581938@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5869

Is this the info you were looking for?

"The Rohm BA1404 tried to do too much on one chip, what with a Stereo
Multiplexer, Pilot Generation Circuitry, RF Oscillator and RF Buffer
all on board.

On top of that, Rohm's Spec Sheets did not show the basic filters on the input,
pilot and MPX that we all know are totally necessary. Low-end
Kit manufacturers did not bother to do a bit of basic design homework
themselves. They decided to do away with such "niceties" and just rake
in the money. Most BA1404 kits are exactly a copy of the Rohm application note
with maybe an extra RF stage for little more power."

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"Douglas Carter" <opalezzzzz@earthlink.net> wrote in message
news:LrFV8.3593$A43.345699@newsread2.prod.itd.earthlink.net...
> ROHM BA1404 FM STEREO TRANSMITTER CHIPS WWW.EBAY.COM ITEM #1364627614
>
>
>
>

1446. Re: Strange Sound on 17 meters - 17 Meters.wav (0/1)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-07 04:56:30 UTC
From: Marco S Hyman <marc@snafu.org>
Message-ID: <x7d6u0f85d.fsf@hana.snafu.org>
Source record: 5870

"Hank Oredson" <horedson@att.net> writes:

> "Marco S Hyman" <marc@snafu.org> wrote in message
> news:x7sn2wfup9.fsf@hana.snafu.org...
> > "Hank Oredson" <horedson@att.net> writes:
> >
> > > What utter nonesense.
> >
> > Which part? .wav carrying a virus?
>
> The part about a "Strange Sound on 17 meters".
> I do not think it was a virus.

Lighten up, Hank. The sentence you snipped following ".wav carrying
a virus?" agrees with you that the original poster probably got
confused by mis-labeled mime headers

> Oh ... .WAV files do not (and can not) carry a virus.
> Ditto .JPG and .GIF.

Never said they did.

> Perhaps you were confused by a file named, for example,
> I-AM-A-VIRUS.WAV.VBS, when your settings were
> such that you could not see the trailing .VBS.

Not me, the original poster. Cool down a bit and *read* what I
said, not what you think I said or what the original poster said.

> All the virii you mentioned count on this sort of ignorance.

I didn't mention ANY virii.

> So what do you think that signal WAS?
> Did you listen to the .WAV file?

If you'd actually read my posting you'd have seen that my upstream
news server strips all binaries, so I never saw it.

> What's your callsign?

KC7JL

// marc

1447. Binary vs. text (was: Re: Strange sound on 17 meters)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-07 05:53:41 UTC
From: Bruce Lane <nanae2.4.spamvac@spamgourmet.com>
Message-ID: <MPG.179177412c675dbf989929@news.drizzle.com>
Source record: 5871

In article <u%OV8.82548$UT.5581882@bgtnsc05-news.ops.worldnet.att.net>,
horedson@att.net says...

> > Every time someone posts a binary file to a text-only newsgroup,
> > that file gets sent all over the world. Readers of that newsgroup are, by
> > the very nature of how Usenet functions, compelled to download that file
> > whether they want it or not.
>
> Huh?
> Are you really that ignorant, or are you just trolling?

The very fact that you're asking me that, and the way that you're
asking it, tells me a great deal about you.

Most specifically, it tells me that you are the one who is
trolling. You've already made up your mind to argue with me, and try to
prove me wrong, no matter what kind of counter-proof I may throw your
way, so I'm not even going to bother.

Suffice to say that my background, which includes having been a
part of the Internet community since the mid-80's, has given me a pretty
solid idea of how NNTP works and of how to conduct one's self on Usenet.

As for my callsign, you would already know it if you had bothered
to read my signature block from my previous posting. If you're so
desperate to know it, I invite you to do so now.

I have not the slightest idea why you think that it is relevant to
the question at hand.

BTW... *PLONK!*

--
Bruce Lane, Owner and Head Hardware Heavy,
Blue Feather Technologies -- http://www.bluefeathertech.com
Amateur Radio: KC7GR (Formerly WD6EOS) since 12-77.
kyrrin (a/t) bluefeathertech dot-com (Reassemble to use)
"I'll get a life when someone demonstrates to me it would be superior to
what I have now..." (Taki Kogoma)

1448. Re: Binary vs. text (was: Re: Strange sound on 17 meters)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-07 07:35:17 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <VaSV8.10464$lu6.609983@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5872

"Bruce Lane" <nanae2.4.spamvac@spamgourmet.com> wrote in message
news:MPG.179177412c675dbf989929@news.drizzle.com...
> In article <u%OV8.82548$UT.5581882@bgtnsc05-news.ops.worldnet.att.net>,
> horedson@att.net says...
>
> > > Every time someone posts a binary file to a text-only newsgroup,
> > > that file gets sent all over the world. Readers of that newsgroup are, by
> > > the very nature of how Usenet functions, compelled to download that file
> > > whether they want it or not.
> >
> > Huh?
> > Are you really that ignorant, or are you just trolling?
>
> The very fact that you're asking me that, and the way that you're
> asking it, tells me a great deal about you.

Um ... yeah ... sure ... tells you I can (and do) read RFCs.

> Most specifically, it tells me that you are the one who is
> trolling. You've already made up your mind to argue with me, and try to
> prove me wrong, no matter what kind of counter-proof I may throw your
> way, so I'm not even going to bother.

Do you plan to say anything about the signal in question?

> Suffice to say that my background, which includes having been a
> part of the Internet community since the mid-80's, has given me a pretty
> solid idea of how NNTP works and of how to conduct one's self on Usenet.

Whoop-de-do. I've been on the net 10 or 15 years longer.
We didn't call it "The Internet" back then though.
Hardly excuses your horribly off topic posts.

So ... explain please how each user is "compelled" to "download"
anything? You do know that newsreaders in fact only "download"
headers? See RFC-977 and RFC-1036 and refresh your memory.

And what about that signal? Can you identify it?

> As for my callsign, you would already know it if you had bothered
> to read my signature block from my previous posting. If you're so
> desperate to know it, I invite you to do so now.

See the usenet guidelines for signatures.
Yours was WAY too long, and WAY to complex.
I ignored it of course. Some newsreaders have that option,
called something like "ignore stupid long sigs". A result perhaps

of the signature flame wars of the 80s. You remember those?

> I have not the slightest idea why you think that it is relevant to
> the question at hand.

Figured you were not a Ham, since you did not comment on the
question posed by the original poster. But I guess Hams can be
whinging usenet cops too ;-)

> BTW... *PLONK!*

Bet you didn't, and will reply. Usenet cops are like that :-)

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1449. Re: Binary vs. text (was: Re: Strange sound on 17 meters)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-07 09:24:30 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <752giu827bgcj0rlr1i26214ekfvq10oro@4ax.com>
Source record: 5873

On Sun, 07 Jul 2002 07:35:17 GMT, "Hank Oredson" <horedson@att.net>
wrote:

>Do you plan to say anything about the signal in question?

I would not encourage such bad behaviour by answering the question or
buy anything from an e-mail spammer.

I assume that the original poster attached the binary due to mistake
or ignorance, but after this discussion I am sure he will not make
that same mistake again.

I hope he will se some of the recommended practises to get his
question answered, since many news servers strip deliberately
attachments or big messages simply did not get to all news servers.

However, I am sick of some people in this thread who defend large
binary postings in a discussion group. That is no longer a mistake but
a deliberate action.

Paul OH3LWR

1450. Re: Mixw vs. Hamscope

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-07 11:02:42 UTC
From: cprstn54zz@att.net
Message-ID: <3d281d90.62381062@news-server.optonline.net>
Source record: 5874

On Sat, 6 Jul 2002 14:31:44 -0400, "J. Duffy Beischel"
<jduffy(nospam)@zoomtown.com> wrote:
>I disagree with the other poster's opinion that it
>is a "work in progress".

One of the problems is lack of functionality in the logging and CAT area. Since you can have only one CAT cable from your PC to your radio, and only one program at a time can use a COM port, you have to choose which program will get the CAT capability: your good logging program (with no sound card capability) or your good sound-card program (with marginal logging capability).

There might be other such areas (e.g. weak CW decoding), but you only learn about them if you spend a lot of time looking around online. Also, people become defensive about their choice of program (and large time investment) and are less than objective when asked their opinion. Lastly, you rarely hear anyone mention that the sound-card programs don't work well (or at all) on packet TX.

Ken KC2JDY

Ken
(to reply via email
remove "zz" from address)

1451. Re: Mixw vs. Hamscope

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-07 12:34:31 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnaigdan.hps.nomail@linux.pe1chl.ampr.org>
Source record: 5875

Ken <cprstn54zz@att.net> wrote:
>On Sat, 6 Jul 2002 14:31:44 -0400, "J. Duffy Beischel"
><jduffy(nospam)@zoomtown.com> wrote:
>>I disagree with the other poster's opinion that it
>>is a "work in progress".

>One of the problems is lack of functionality in the logging and CAT
>area. Since you can have only one CAT cable from your PC to your
>radio, and only one program at a time can use a COM port, you have to
>choose which program will get the CAT capability: your good logging
>program (with no sound card capability) or your good sound-card
>program (with marginal logging capability).

That is why it is such a bad idea to try to solve everything in a
single program. Programs should perform a single function and use
inter-process communication mechanisms to transfer useful information.

Of course this requires standards.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

1452. Re: Binary vs. text (was: Re: Strange sound on 17 meters)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-07 15:20:48 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <k%YV8.10952$Iu6.644972@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5876

"Paul Keinanen" <keinanen@sci.fi> wrote in message
news:752giu827bgcj0rlr1i26214ekfvq10oro@4ax.com...
> On Sun, 07 Jul 2002 07:35:17 GMT, "Hank Oredson" <horedson@att.net>
> wrote:
>
> >Do you plan to say anything about the signal in question?
>
>
> I would not encourage such bad behaviour by answering the question or
> buy anything from an e-mail spammer.
>
> I assume that the original poster attached the binary due to mistake
> or ignorance, but after this discussion I am sure he will not make
> that same mistake again.
>
> I hope he will se some of the recommended practises to get his
> question answered, since many news servers strip deliberately
> attachments or big messages simply did not get to all news servers.

Seems to have gotten to the servers used by all the usenet cops!

> However, I am sick of some people in this thread who defend large
> binary postings in a discussion group. That is no longer a mistake but
> a deliberate action.

This is no longer 1978 ... and we have faster modems than 110 baud.

Small binaries, when posted along with a second post explaining
what they are, make good sense now. Particularly in a Ham Radio
group ... where the essence of the hobby is ... listening to signals!

Viewing the larger post was a CHOICE, and anyone could avoid it.

What did the signal sound like to you? Perhaps THROB?

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1453. Re: Mixw vs. Hamscope

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-07 15:22:47 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <b1ZV8.10956$lu6.644928@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5877

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
news:slrnaigdan.hps.nomail@linux.pe1chl.ampr.org...
> Ken <cprstn54zz@att.net> wrote:
> >On Sat, 6 Jul 2002 14:31:44 -0400, "J. Duffy Beischel"
> ><jduffy(nospam)@zoomtown.com> wrote:
> >>I disagree with the other poster's opinion that it
> >>is a "work in progress".
>
> >One of the problems is lack of functionality in the logging and CAT
> >area. Since you can have only one CAT cable from your PC to your
> >radio, and only one program at a time can use a COM port, you have to
> >choose which program will get the CAT capability: your good logging
> >program (with no sound card capability) or your good sound-card
> >program (with marginal logging capability).
>
> That is why it is such a bad idea to try to solve everything in a
> single program. Programs should perform a single function and use
> inter-process communication mechanisms to transfer useful information.

Exactly. But this is harder to do because:

> Of course this requires standards.

Maybe someday my radios will have ethernet ports instead of serial ports :-)

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1454. Re: Mixw vs. Hamscope

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-07 16:43:53 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnaigru9.jfa.nomail@linux.pe1chl.ampr.org>
Source record: 5878

Hank Oredson <horedson@att.net> wrote:

>"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
>news:slrnaigdan.hps.nomail@linux.pe1chl.ampr.org...
>> Ken <cprstn54zz@att.net> wrote:
>> >On Sat, 6 Jul 2002 14:31:44 -0400, "J. Duffy Beischel"
>> ><jduffy(nospam)@zoomtown.com> wrote:
>> >>I disagree with the other poster's opinion that it
>> >>is a "work in progress".

>> >One of the problems is lack of functionality in the logging and CAT
>> >area. Since you can have only one CAT cable from your PC to your
>> >radio, and only one program at a time can use a COM port, you have to
>> >choose which program will get the CAT capability: your good logging
>> >program (with no sound card capability) or your good sound-card
>> >program (with marginal logging capability).

>> That is why it is such a bad idea to try to solve everything in a
>> single program. Programs should perform a single function and use
>> inter-process communication mechanisms to transfer useful information.

>Exactly. But this is harder to do because:

>> Of course this requires standards.

>Maybe someday my radios will have ethernet ports instead of serial ports :-)

No, it would be very well possible to have a CAT program that communicates
over a serial port with a radio, and have a separate demodulator program
that communicates with the soundcard, and a third program that does
logging, yet have these three programs interchange information.

E.g. the demodulator program could be sending frequency-adjustment
information to the CAT program. And both the CAT program and the
demodulator program could be sending information to the logging program.

It requires standards for the messages being exchanged. So many underlying
standards for the actual communication already exist that this should
really be possible.

It has nothing to do with the physical connection to the radio.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

1455. Re: Binary vs. text (was: Re: Strange sound on 17 meters)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-07 17:18:22 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <l4pgiuklhv4g67be1tsh0n6kjve4814ebc@4ax.com>
Source record: 5879

On Sun, 07 Jul 2002 15:20:48 GMT, "Hank Oredson" <horedson@att.net>
wrote:

>This is no longer 1978 ... and we have faster modems than 110 baud.

It is not very nice to dump huge attachments to portable computer at
9600 bit/s over a cellular phone. It is easier to grab all new
messages from a low volume newsgroup than screening every message
before downloading it. This is just one example where low bit rates
are used.

>Small binaries, when posted along with a second post explaining
>what they are, make good sense now. Particularly in a Ham Radio
>group ... where the essence of the hobby is ... listening to signals!

I am not very much against very small (1-3 kbytes) binary attachments,
but the problem is the inconsiderate or ignorant posters that send
uncompressed audio or uncompressed picture (.BMP) files. If small
pictures are allowed, there is also a much larger risk that big
uncompressed files are sent by accident or due to ignorance.

>Viewing the larger post was a CHOICE, and anyone could avoid it.

The problem with many news readers that handle threading that you do
not see the size of individual messages unless you expand the thread,
so there is always the risk that big attachments get loaded, thus
negating the advantage of selecting complete threads for downloading.

>What did the signal sound like to you? Perhaps THROB?

I don't have a slightest idea, since this time only the 7 line header
made the trip to my newsreader:

>Subject: Strange Sound on 17 meters - 17 Meters.wav (0/1)

And besides, I would not encourage other binary poster by commenting
on that post, even if it had survived the trip.

Paul OH3LWR

1456. Re: Mixw vs. Hamscope

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-07 23:36:01 UTC
From: rh3x@erols.com
Message-ID: <qtjhiuc171gumct0kpercakgu0n5n3iaee@4ax.com>
Source record: 5880

On Sun, 07 Jul 2002 11:02:42 GMT, cprstn54zz@att.net (Ken) wrote:

Soundly agree with Ken regarding poor CW decoding. Also, HF packet overall functionality is marginal at best. The Scan feature is very nice, but a means need to be implemented to set upper & lower scan limits.

de Richard/N2JR

>There might be other such areas (e.g. weak CW decoding), but you only
>learn about them if you spend a lot of time looking around online.

>
>Ken KC2JDY
>
>
>Ken
>(to reply via email
>remove "zz" from address)

1457. Re: Strange Sound on 17 meters - 17 Meters.wav (0/1)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-08 17:58:30 UTC
From: Shambuck23 <shambuc23@hotmail.com>
Message-ID: <agcjo9$dol1@nuit.vlsi.com>
Source record: 5881

Ok... are you bone-heads done complaining about this guys post? I want to know what it is Jim found on 17 meters!

Anyone that complains has nothing better to do. So if you don't know, don't answer the post!

Mike, KG6IFV

"Jim Irvine" <ve9wh@nbnet.nb.ca> wrote in message news:9r37iugicjsma8j4f2kap82np6j0g1v9us@4ax.com...
> I heard this sound on 17 meters on Tueday July 3. I've never heard
> this one before anyone have any ideas?????
>
>
> 73
>
> Jim VE9WH / VE9TTY

1458. Re: Strange Sound on 17 meters - 17 Meters.wav (0/1)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-09 00:55:49 UTC
From: VE9WH <ve9wh@nbnet.nb.ca>
Message-ID: <erckiu04ounaeuroe9f6jnb6q1m90u8ruk@4ax.com>
Source record: 5882

My sincere apologies. I didn't intend to start world war 3.

Out of 13 replys, only 1 had anything to do with my original question (thanks Hank) .

A simple note advising me on the newsgroup rules would have been enough.

I guess new users aren't allowed to make mistakes. The mistake won't happen again, and I will unsubsrcibe from you group.

Again my appologies

Jim VE9WH / VE9TTY

On Thu, 04 Jul 2002 00:01:12 GMT, Jim Irvine <ve9wh@nbnet.nb.ca> wrote:

>I heard this sound on 17 meters on Tueday July 3. I've never heard
>this one before anyone have any ideas?????
>
>
>73
>
>Jim VE9WH / VE9TTY

1459. Re: Strange Sound on 17 meters - 17 Meters.wav (0/1)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-09 01:11:14 UTC
From: DonB <7432D63DBB01D03A196B1EDD80E8@comcast.net>
Message-ID: <SKqW8.96865$vq.4659276@bin6.nnrp.aus1.giganews.com>
Source record: 5883

I counted 41K of "cop" talk. How big was the WAV? It does not seem to be attached to the original message any more, so everyone should be able to relax now.

"VE9WH" <ve9wh@nbnet.nb.ca> wrote in message news:erckiu04ounaeuroe9f6jnb6q1m90u8ruk@4ax.com...
> My sincere apologies. I didn't intend to start world war 3.
>
> Out of 13 replys, only 1 had anything to do with my original question
> (thanks Hank) .
>
> A simple note advising me on the newsgroup rules would have been
> enough.
>
> I guess new users aren't allowed to make mistakes. The mistake won't
> happen again, and I will unsubsrcibe from you group.
>
> Again my appologies
>
>
> Jim VE9WH / VE9TTY
>
> On Thu, 04 Jul 2002 00:01:12 GMT, Jim Irvine <ve9wh@nbnet.nb.ca>
> wrote:
>
> >I heard this sound on 17 meters on Tueday July 3. I've never heard
> >this one before anyone have any ideas?????
> >
> >
> >73
> >
> >Jim VE9WH / VE9TTY
>

1460. Re: Strange Sound on 17 meters - 17 Meters.wav (0/1)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-09 01:13:14 UTC
From: DonB <7432D63DBB01D03A196B1EDD80E8@comcast.net>
Message-ID: <KMqW8.619303$Gs.39220955@bin5.nnrp.aus1.giganews.com>
Source record: 5885

Oh, yeah. Was that around 18095, by any chance? I've heard something sounding like a gurgling brook there for years and never figured out what it was.

1461. Re: Strange Sound on 17 meters - 17 Meters.wav (0/1)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-09 01:13:17 UTC
From: SSTVSWL <SSTVSWL@attbi.com>
Message-ID: <NMqW8.331549$6m5.331241@rwcrnsc51.ops.asp.att.net>
Source record: 5884

How's this? Is this acceptable?
Copied this'n on 18.086 mhz USB

http://home.attbi.com/~sstvswl1/18086.ra

1462. Re: Strange Sound on 17 meters - 17 Meters.wav (0/1)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-09 01:19:54 UTC
From: DonB <7432D63DBB01D03A196B1EDD80E8@comcast.net>
Message-ID: <_SqW8.343270$_j6.16332841@bin3.nnrp.aus1.giganews.com>
Source record: 5886

That's the one I've been hearing (and it's been there for years). Sometimes
it's +20. It never seems to go away, either.

"SSTVSWL" <SSTVSWL@attbi.com> wrote in message
news:NMqW8.331549$6m5.331241@rwcrnsc51.ops.asp.att.net...
> How's this? Is this acceptable?
> Copied this'n on 18.086 mhz USB
>
> http://home.attbi.com/~sstvswl1/18086.ra
>
>

1463. Re: Strange Sound on 17 meters - 17 Meters.wav (0/1)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-09 02:26:08 UTC
From: keep-it-clean <keep-it-clean@worldnet.att.net>
Message-ID: <4RrW8.15228$lu6.847947@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5887

More bandwidth was probably wasted criticizing the poor guy who posted the
binary file, than the binary itself.

No wonder people think hams are wannabe cops.

Sad, really.

===+===+===+===

"DonB" <7432D63DBB01D03A196B1EDD80E8@comcast.net
<7432D63DBB01D03A196B1EDD80E8@comcastt.net> wrote in message
news:SKqW8.96865$vq.4659276@bin6.nnrp.aus1.giganews.com...
> I counted 41K of "cop" talk. How big was the WAV? It does not seem to be
> attached to the original message any more, so everyone should be able to
> relax now.
>
>
> "VE9WH" <ve9wh@nbnet.nb.ca> wrote in message
> news:erckiu04ounaeuroe9f6jnb6q1m90u8ruk@4ax.com...
> > My sincere apologies. I didn't intend to start world war 3.
> >
> > Out of 13 replys, only 1 had anything to do with my original question
> > (thanks Hank) .
> >
> > A simple note advising me on the newsgroup rules would have been
> > enough.
> >
> > I guess new users aren't allowed to make mistakes. The mistake won't
> > happen again, and I will unsubsrcibe from you group.
> >
> > Again my appologies
> >
> >
> > Jim VE9WH / VE9TTY
> >
> > On Thu, 04 Jul 2002 00:01:12 GMT, Jim Irvine <ve9wh@nbnet.nb.ca>
> > wrote:
> >
> > >I heard this sound on 17 meters on Tueday July 3. I've never heard
> > >this one before anyone have any ideas?????
> > >
> > >
> > >73
> > >
> > >Jim VE9WH / VE9TTY

> >
>
>

1464. Re: Strange Sound on 17 meters - 17 Meters.wav (0/1)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-09 06:14:27 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <7bvW8.15651$lu6.879700@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5888

Something similar sounding on 21.095 late this morning ...
... beam heading about 45 degrees from the Pacific NW.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"SSTVSWL" <SSTVSWL@attbi.com> wrote in message
news:NMqW8.331549$6m5.331241@rwcrnsc51.ops.asp.att.net...
> How's this? Is this acceptable?
> Copied this'n on 18.086 mhz USB
>
> http://home.attbi.com/~sstvswl1/18086.ra
>
>

1465. Re: Mixw vs. Hamscope

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-09 23:47:00 UTC
From: Gilbert Baron <gbaron@myrealbox.com>
Message-ID: <uctmiuog6q68kn2oirgpm95fctpb3dv767@4ax.com>
Source record: 5889

On Sun, 07 Jul 2002 11:02:42 GMT, cprstn54zz@att.net (Ken) wrote:

>On Sat, 6 Jul 2002 14:31:44 -0400, "J. Duffy Beischel"
><jduffy(nospam)@zoomtown.com> wrote:
>>I disagree with the other poster's opinion that it
>>is a "work in progress".
>
>One of the problems is lack of functionality in the logging and CAT
>area. Since you can have only one CAT cable from your PC to your
>radio, and only one program at a time can use a COM port, you have to

If you use Logic 6 for your logging program you can have your cake and
eat ti too. Mixw is a DDE server and Logic is a client and the logging
works perfeclty well with the data sent to Logic.

Other such combinatins are available.

>
Gil Baron http://webpages.charter.net/gbaron
44:04.925 N 92:30.758 W 1055'
"Hierro candente, batir de repente"

1466. Re: Strange Sound on 17 meters - 17 Meters.wav (0/1)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-10 01:48:49 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <5oMW8.2038$bV.252572957@newssvr13.news.prodigy.com>
Source record: 5890

A few months back, I sent a small GIF file, showing a schematic for a PTT interface for soundcard packet. Nobody complained.

Go figure.

Charles, N5PVL

"VE9WH" <ve9wh@nbnet.nb.ca> wrote in message news:erckiu04ounaeuroe9f6jnb6q1m90u8ruk@4ax.com...
> My sincere apologies. I didn't intend to start world war 3.
>
> Out of 13 replys, only 1 had anything to do with my original question
> (thanks Hank) .
>
> A simple note advising me on the newsgroup rules would have been
> enough.
>
> I guess new users aren't allowed to make mistakes. The mistake won't
> happen again, and I will unsubsrcibe from you group.
>
> Again my appologies
>
>
> Jim VE9WH / VE9TTY
>
> On Thu, 04 Jul 2002 00:01:12 GMT, Jim Irvine <ve9wh@nbnet.nb.ca>
> wrote:
>
> >I heard this sound on 17 meters on Tueday July 3. I've never heard
> >this one before anyone have any ideas?????
> >
> >
> >73
> >
> >Jim VE9WH / VE9TTY
>

1467. What Software for pk232 on Macs???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-10 06:56:33 UTC
From: jfenn@lava.net
Message-ID: <agglr1$423$1@mochi.lava.net>
Source record: 5891

What are you folks with MACS using in the way of software to
drive your pk232 in pactor mode???
Joe (aka kilroy)

****
* Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
****

1468. Re: Strange Sound on 17 meters - 17 Meters.wav (0/1)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-10 08:11:54 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <7flniuoo0t0t5b7slmhp1bgbdl4s3cu84r@4ax.com>
Source record: 5892

On Tue, 09 Jul 2002 00:55:49 GMT, VE9WH <ve9wh@nbnet.nb.ca> wrote:

>A simple note advising me on the newsgroup rules would have been
>enough.
>
>I guess new users aren't allowed to make mistakes. The mistake won't
>happen again, and I will unsubsrcibe from you group.

Take a bit closer look at the time stamps and the reference fields in this thread.

The first reply you received was within 14 hours by Bruce Lane, telling in a polite tone that this was not a good way to go and suggested an other method.

> Please don't try to post binary files to text-only newsgroups. Set
>up the file on a web site, and post the LINK to said newsgroup.

I also think that this would have been enough and when the question was handled in the suggested way, by putting it on the web page, much more comments about the original question was generated.

However, for some strange reason, some persons attacked this polite advice of proper conduct and by that started the flame war.

Paul OH3LWR

1469. Re: What Software for pk232 on Macs???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-10 10:55:02 UTC
From: John Seney <wd1v@amsat.org>
Message-ID: <wd1v-165317.06550210072002@netnews.attbi.com>
Source record: 5893

In article <agglr1$423$1@mochi.lava.net>, jfenn@lava.net wrote:

> What are you folks with MACS using in the way of software to
> drive your pk232 in pactor mode???
> Joe (aka kilroy)
>
>
>
> **
> * Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
> **
>

* Macnet Member Listing - as the name implies, its "The List" of all of
the hams in the world that are using Macs with their radios. In ZIP CODE
order so you can see your neighbors and get together easily.
ftp://ftp.qsl.net/pub/wd1v/Macnet2002.html

* Macnet Ham Radio Software Listing - "The List" of the latest - much of
it with FTP links so what you see is what you can get with just a click.

http://www.qsl.net/wd1v/Page7.html

* Macnet Software Collections
ftp://ftp.qsl.net/pub/wd1v/
http://www.qrz.com/download/mac/index.html

* For latest Mac versions of the already cool...
http://www.versiontracker.com/

72/73
John Seney, WD1V [FN42]
QRP ARCI 10345 K2 #1388
FIST #5014 CC: 1151
http://www.qsl.net/wd1v

'O] .*
\\/=\/
(_) (_)
Aerocycle

JS
Scope FAQ at http://www.qsl.net/wd1v

1470. FA: AEA PK-900

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-10 18:24:13 UTC
From: Jim Hope <k4yte@earthlink.net>
Message-ID: <hZ_W8.4129$Kx3.2307@newsread1.prod.itd.earthlink.net>
Source record: 5894

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1365549707

1471. Re: PSK31 on an HP 200 LX, anyone tried it??

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-11 04:18:28 UTC
From: ZOOM <robert931@sympatico.ca>
Message-ID: <oG7X8.1506$He7.247176@news20.bellglobal.com>
Source record: 5895

Given the programs out there I would agree that you need a computer capable of running the complex GUI. Without the GUI your stabbing in the dark. Since the PSK program is simply an interpreter from varicode to ascii, an 8mhz machine can do that just fine. That being said, you would be able to give a call and the other staion would have to find you. You would have no search capability except via a text driven algorythm that would allow you to select the tone frequency and search in the background for stations with perhaps a simple graphic but even that may prove too taxing on an 8Mhz machine.

Robert

"clonemaster" <jond_post505@hotmail.com> wrote in message news:uhmquibtot7rf1@corp.supernews.com...
> Paul, the DOS based lx series are good packet computers because they are
> just terminals using a TNC. I don't think anyone is running agwpe with a
> soundcard on them. Someone please correct me, but I'm pretty sure we need
a
> cpu faster than 8MHz (that's 8, not 800) to run psk31. I think a fast 486
or
> slow pentium is the minimum needed to run psk31.
>
> JD
>
> "kl0an" <pauljordan@gci.net> wrote in message
> news:uhiskq7kfb8dbb@corp.supernews.com...
> > I'm looking to hook up my HP 200 LX into a PSK31 station with a PCMCIA
> > soundcard, a rigblaster or equal, and then my ICOM 706. This will be a
> very
> > small mobile PSK31 station. Has anyone tried this?? If so, some
> questions:
> >
> > What software did you try and what were the results??
> > What PCMCIA Sound Card did you try and what were the results??
> > Any suggestions??
> >
> > I know the HP 200 LX is a great little packet computer but, I want to
try
> > and go for something a little more useful.
> >
> > Any help is greatly appreciated.
> >
> > 73
> > Paul Jordan
> > kl0an

> >
> >
>
>

1472. Re: Mixw vs. Hamscope

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-11 05:42:08 UTC
From: Paul Henri Vogel <paul_vogel@bigfoot.com>
Message-ID: <3d2d1ad1$0$94914$e4fe514c@dreader3.news.xs4all.nl>
Source record: 5896

See below.. I saved this some time ago...
Paul PA3APA

"Ken" <cprstn54zz@att.net> wrote in message
news:3d26cd8c.188178062@news-server.optonline.net...
> On Thu, 04 Jul 2002 12:47:46 +0000, Egon =?iso-8859-1?Q?Z=FCrrer?=
> <egon.zuerrer@balcab.ch> wrote:
> >Has somebody experience in comparing Mixw and Hamscope
>
> I posted something similar a while back: the only response I got as
> to MixW is to try it. I have been subscribing to the MixW list on
> Yahoo for a while and can say that MixW is definitely a work in
> progress and covers many bases.
>
> The cost is minimal compared to the time you will invest in any of
> these programs to master navigation and parameter-setting. I was
> looking for the most versatile program and gave up on definitively
> finding it.
>
> Ken KC2JDY
>
>
>
> Ken
> (to reply via email
> remove "zz" from address)

[Lf] Hamscope 1.2 Reviewed]
Andre' Kesteloot akestelo@bellatlantic.net
Tue, 02 Jan 2001 14:30:55 -0500

a.. Previous message: [Lf] hamscope for free ?
b.. Next message: [Lf] 13-14 January/EU->NA ?
c.. Messages sorted by: [date] [thread] [subject] [author]

"Andrew J. O'Brien" wrote:

> Hamscope 1.2 Reviewed
> By Andy KB2EOQ
> (this review may be distributed without restriction)
>
> Well, with the CCCC Millennium Multi Digital Mode contest taking place New
> Years Day , what better way to test out KD5HIO's Hamscope. Hamscope,

> available at http://users.mesatop.com/~ghansen/ , is the latest entry into
> the vibrant Windows based ,soundcard driven , digital radio world. As the
> most recent entry , the author has found time to incorporate many varying
> digital modes all into one software package. Most digital software these
> days includes PSK31 and RTTY (TrueTTY, Zakanaka, et al) but Hamscope is
only
> rivaled by MixW in the choice of modes that one can select.
>
> Available modes are
>
> BPSK31
> QPSK31
> RTTY
> ASCII7
> ASCII8
> MFSK16
> HFSK16
> CW
>
> Missing are the increasingly popular Throb, the much advocated MTTY, ye
olde
> PACKET, MT63, PACTOR, CLOVER, and the altered versions of PSK and MFSK
> (PSK63/125 and MFSK8/4). However, Hamscope is a very full featured
program
> and a welcome addition to the digital ham's repertoire.
>
> Installing Hamscope
>
> Hamscope installed on my AMD K2 500 PC with 64 megs of memory without any
> problems. Within seconds of executing the install program, I had a very
> carefully thought out screen displaying RTTY, PSK31, and MFSK without any
> problems. The macros are nicely laid out and easy to edit. They are
> essentially the same in appearance to those in Digipan. You have 36
macros
> to choose from but . unlike Zakanaka, not all can be displayed at the
same
> time. Hamscope, like Digipan, requires that you click an arrow to see the
> next bank of macros.
>
> As mentioned earlier, MixW is the only program that has as many modes as
> Hamscope. However Hamscope is vastly superior to MixW in terms of
> appearance and the general feel of the program. MixW generally performs
> well (although RTTY is mediocre) but it's help files are very disjointed
and
> have caused many a ham to feel frustrated. Hamscope on the other hand, is
> most pleasing to the eye, and the intuitive computer user will find
> themselves operating the digital world with hardly any need to consult the
> help files.
>
> Okay, so how well does it perform? I tried CW, MFSK, BPSK31, and RTTY and

> had generally positive results.
>
> CW works well and I could see no appreciable difference between MixW and
> Hamscope's ability to copy CW. My unscientific tests indicate the CWGet
out
> performs Hamscope and MixW in weak CW conditions, but no software copies
> weak signal CW very well. . Hamscope nicely displays both the
transmitted
> CW speed as well as the receive speed. I have sometimes found that CW
> copying software has difficulty with high speed CW but Hamscope copied
> KM5HT's 40 WPM code without problems. Copying CW was as simple as
clicking
> on the vertical trail in the waterfall or on the spectrum display. The
> word length , dash length and noise threshold can all be easily changed
in
> Hamscope's set-up area. I did note that there is a noticeable delay from
> when your brain hears a CW character to when it actually is printed on
the
> screen. At average speed CW, the printed text is usually a character
behind
> what has actually been sent. While this may seem understandable in that
the
> computer has to process the received signal, it appears more noticeable on
> Hamscope that other CW packages.
>
> MFSK16: I really like Hamscope's MFSK. I have been a STREAM users since
> MFSK's birth but have found the horizontal waterfall in Stream difficult
to
> get comfortable with. It is no doubt psychological, but I found that
> Hamscope's vertical waterfall for MFSK very easy to handle. The AFC does
a
> good job of locking on to a MFSK16 signal , although it does so rather
> slowly...you can see it edging up the band like someone doing the
> breaststroke. Missing are the Clock Alignment , Bit Shape, and Phase
Scope
> display that Stream provides . I was unable to determine any performance
> difference with Hamscope of Stream, both had the same copying abilities ,
> but Hamscope's waterfall had me tuning them in quicker.
>
> PSK31: AE4JY's core is used for PSK31 just like it appears to be in every
> other PSk31 program these days. Hence the basic PSK31 performance should
be
> the same. The AFC was again a little jerky but it did its job well by
> locking on to PSK31 signals that were nearby. If between two signals, one
> strong and one weak, the AFC sought out the stronger one each time. There
> is no tuning or phase scope like the ones you can find in Zakanaka or
> PSK31SBW, I still find such tuning aides useful. As far as I can
determine
> there is no ability to copy more that one PSk31 signal simultaneously,
> Digipan, WinWarbler, Zakanaka and other all have multi-receive capability.

> Hamscope also lacks some of the bells and whistles that Digipan has
(search
> feature) and also lacks some of the fancy tricks that Zakanaka's macros
can
> perform (rig QSY, passband centering. logging inserts and more). Overall
it
> performed well.
>
> RTTY: This the mode that I had the most difficulty with. The first thing
I
> noticed was that it appears to default to a setting that requires RTTY to
be
> tuned in USB if you want to be able to copy signals. . Hamscope
displayed
> the RTTY signal very nicely on the spectral or waterfall displays and the
> AFC appears to track nicely, but I had problems copying even quite strong
> signals. There is no tuning scope like that in MMTTY or Zakanaka. One S3
> signal on 10 meters would not display any intelligible signals at all but
a
> quick flip to Zakanaka with MMTTY's RTTY engine and I was copying the same
> signal,an HB9 station, CQing with 100% copy. Hamscope provides the RTTY
> user with a couple of FEC possibilities but I did not attempt to use these
> features. It certainly does not have the advanced filtering capabilities
> that MMTTY and Zakanaka provides the RTTY users. I don't anticipate any
> RITTY users giving up that DOS based program for this either. Perhaps I
> chose a bad day, the HF bands were down quite a bit but Hamscope's weak
> signal RTTY was way below the competition.
>
> Logging: Hamscope has an ability to interface with YPLOG. This feature
was
> not tested.
>
> Overall:
> A VERY NICE program. If RTTY performs for you better than it did for me,
> then I would say it is an EXCELLENT program. The $50.00 to register the
> program (and unlock some of the PTT and Radio PTT features) may seem a
> little steep to those used to the free versions of Digipan, WinPsk
> WinWarbler, Zakanaka, Stream , Logger, and MMTTY. However if you want
them
> all in one package, the $50.00 may be worth it. Hamscope performs as well
as
> TrueTTY and MixW which also cost money but Hamscope certainly looks better
> than those two programs. MixW 2.0 is in beta testing and it may well be
> that MixW will have enough improvements to cause the ham to have much
> difficulty in deciding which program to get.
>
> Please fee free to comment on this article.
> 73 de Andy KB2EOQ
> www.kb2eoq.com
> obriena@&netsync.net

>
> Note: KB2EOQ is on the Zakanaka and MMTTY help writing teams, some
> conflicts of interest are acknowledged.
> ____
> Psk31 WWW Site at http://aintel.bi.ehu.es/psk31.html
> Psk31 list info at: http://aintel.bi.ehu.es/mailman/listinfo/psk31

---

a.. Previous message: [Lf] hamscope for free ?
b.. Next message: [Lf] 13-14 January/EU->NA ?
c.. Messages sorted by: [date] [thread] [subject] [author]

1473. Atari Portfolio RS-232 Needed!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-11 13:56:17 UTC
From: Lawrence Anderson <w6lar@cybertime.net>
Message-ID: <3D2D8E81.C15995AC@cybertime.net>
Source record: 5897

I know this is not radio but I want to use an old Atari Portfolio Hand Held computer for a packet radio terminal. I have the Portfolio but I need an RS-232 Serial Port card adapter that was an option for this unit. Any chance you have one that you don't use I will pay a fair price for one.

Thanks for reading and respond to w6lar@arrl.net

1474. Equipment for sale

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-12 04:58:27 UTC
From: lfontain@globetrotter.net
Message-ID: <d35eb6f5.0207112058.113b7c63@posting.google.com>
Source record: 5898
Cross-posted to: rec.radio.shortwave,rec.radio.amateur.digital.misc

Hello list,

I have for sale a Quorum Wefax Explorer ISA card with the receiver
onboard. Asking 250$ USD.
For more info see: http://www.qcom.com/exman.pdf

Also for sale, a weatherproof Quorum SDC-1691CWP WEFAX Downconverter.
Asking 250$ USD.
http://www.qcom.com/sdc.html

Luc Fontaine
VE2FXL
Province of Quebec
Canada
lfontain@globetrotter.net

1475. Where have all the posters gone?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-13 21:28:16 UTC
From: "Peter O. Brackett" <ab4bc@ix.netcom.com>
Message-ID: <agq618$94j$1@slb6.atl.mindspring.net>
Source record: 5899

rradm:

Where have all the posters gone. Is digital dead? What?

--Peter K1PO
Indialantic By-the-Sea, FL.

1476. Re: Where have all the posters gone?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-14 01:18:13 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <pj4Y8.26732$Iu6.1479843@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5900

"Peter O. Brackett" <ab4bc@ix.netcom.com> wrote in message
news:agq618$94j$1@slb6.atl.mindspring.net...
> rradm:
>
> Where have all the posters gone. Is digital dead? What?

They are all posting on packet instead of the internet?

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1477. Re: Where have all the posters gone?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-14 09:42:14 UTC
From: "Peter O. Brackett" <ab4bc@ix.netcom.com>
Message-ID: <agrh1ercv1@slb0.atl.mindspring.net>
Source record: 5801

Hank:

[snip]
> > Where have all the posters gone. Is digital dead? What?
>
> They are all posting on packet instead of the internet?
>
> --
>
> ... Hank
>
> Hank: http://horedson.home.att.net
> W0RLI: http://w0rli.home.att.net
[snip]

Hi Hank. Hw?

Heh, heh...

I'd really like to believe that but... it's more likely they are posting on NTS CW nets is it not?

--de Peter K1PO
Indialantic By-the-Sea, FL

1478. Re: Where have all the posters gone?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-14 11:25:28 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <lcdY8.18107$5A1.420010115@newssvr21.news.prodigy.com>
Source record: 5802

Hank is right. This forum is dead, but packet radio is not.

Most packet folks do not post here because of the landline-lid riff-raff that lurked here in years past. The people who are serious about the hobby got tired of all the juvenile desconstructionism, the lame excuses, the petty digs at serious hams. - So the discussion has moved on.

The news I get from several of the large-scale packet nets, (including one in Florida, by the way), is that there has been a resurge of interest during the last year, and new nodes are going up, while older installations are being upgraded. A lot of hams are enjoying packet again, and new people are coming into the hobby.

Anybody who can "Google" can readily see that this newsgroup has lost relevance, and why. Too much negativity.

It is no big loss though... Active packet operators appear to be getting by just fine without this newsgroup, and I imagine they will continue to do so. There is no reason to think otherwise.

Charles, N5PVL

"Peter O. Brackett" <ab4bc@ix.netcom.com> wrote in message news:agq618$94j$1@slb6.atl.mindspring.net...
> rradm:
>
> Where have all the posters gone. Is digital dead? What?
>
> --Peter K1PO
> Indialantic By-the-Sea, FL.
>
>

1479. Re: Where have all the posters gone?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-14 21:47:08 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <wjmY8.27888$lu6.1587580@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5803

"Peter O. Brackett" <ab4bc@ix.netcom.com> wrote in message
news:agrh1ercv1@slb0.atl.mindspring.net...
> Hank:
>
> [snip]
> > > Where have all the posters gone. Is digital dead? What?
> > >
> > They are all posting on packet instead of the internet?
> > >
> > --
> > >
> > ... Hank
> > >
> > Hank: http://horedson.home.att.net
> > W0RLI: http://w0rli.home.att.net
> [snip]
>
> Hi Hank. Hw?
>
> Heh, heh...
>
> I'd really like to believe that but... it's more likely they are posting on
> NTS CW nets is it not?

Dunno ... there are perhaps 200 new messages today on packet ...

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1480. Shoutcast test--Baltimore/Washington air band

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-15 02:49:39 UTC
From: spleen@nospam.com
Message-ID: <5pd4jug4masp5pvq3ssmadq077vrcd4ad0@4ax.com>
Source record: 5804

http://66.93.55.167:8001

Just want to see how long it takes to crash.....future plans may involve figuring out if ACARS, WEFAX, or other such decoding can be done remotely in this fashion....my QTH is downtown Baltimore, and it's Sunday night....not going to be an overabundance of traffic tonight....

Spleen

1481. Schematic needed KPC-3

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-15 22:33:28 UTC
From: Reed Park <reedpark@nbnet.nb.ca>
Message-ID: <3D334DB5.6E4A986E@nbnet.nb.ca>
Source record: 5805

Hi

Our seniors amateur radio club was very close to a lightning strike.
We have been able to repair both power supplies, the VHF packet
radio and the rotor control box, but the KPC-3 still does not talk with
the computer terminal. We have been in touch with Kantronics, but
they tell us they no longer support the KPC-3 as it is to old. Is there
a site one can connect to and download a schematic for this TNC ?
I am getting tired of downloading chip pin outs and following foil
traces. :-)

7 3
Reed

--

ARROW Research (Avro CF-105)
Reed Park
252 Gauvin Road
Dieppe, New Brunswick
Canada E1A1M1

Amateur Radio V E 1 N U
WW II, # 19 SET user
Paraset replica builder
I.C.Q. # 4138282

1482. Edimax PCMCIA NIC with NOS?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-16 16:57:57 UTC
From: Ken Wickwire <kwick@mitre.org>
Message-ID: <ah1jaleko1@newslocal.mitre.org>
Source record: 5806

Has anybody got the Edimax 4000 NIC with its pcpkt.com driver working with NOS?
If so, would appreciate advice on how to set it up to do that. We've got it transmitting on an Ethernet, but not receiving. Can send our autoexec.net config file if anybody wants to see it.

kwick@mitre.org

1483. Packet Networking Discussion

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-17 00:38:59 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <D03Z8.1658$H46.84912293@newssvr13.news.prodigy.com>
Source record: 5807

www.uspacket.net/forum

Charles, N5PVL

1484. TNC in Software!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-18 11:53:19 UTC
From: K1QN <k1qn@cox.net>
Message-ID: <P_xZ8.137980$DB.4608917@news1.east.cox.net>
Source record: 5808

Does anyone know of software that realizes a TNC in software? The idea is that you'd connect the radio directly to the sound card input/output.

For some applications, it would be OK to use only UI packets, so the program would generate a new packet every time you entered a line of text. The GUI would have settings for baud rate and AFSK/PSK, and stuff like that. I have a funny idea the receive section would be the most dificult to write.

Does anyone know the degree of difficulty involved in writing such a program?

Al Gerheim, K1QN k1qn@cox.net

1485. Re: TNC in Software!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-18 15:41:26 UTC
From: magne@sun.com
Message-ID: <m3vg7dm4bd.fsf@priscilla.2y.net>
Source record: 5809

"K1QN" <k1qn@cox.net> writes:

> Does anyone know of software that realizes a TNC in software? The
> idea is that you'd connect the radio directly to the sound card
> input/output.

The "soundmodem" driver is a part of the standard Linux kernel,
and together with the ax25 protocol code (which is also a part
of standard Linux) you have what you want. All the source code
is available.

--Magne / la1bfa

1486. Re: TNC in Software!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-19 01:17:23 UTC
From: Reed Park <reedpark@nbnet.nb.ca>
Message-ID: <3D376898.1BCA6D2E@nbnet.nb.ca>
Source record: 5810

K1QN wrote:

> Does anyone know of software that realizes a TNC in software? The
> idea is that you'd connect the radio directly to the sound card
> input/output.
>
> For some applications, it would be OK to use only UI packets, so
> the program would generate a new packet every time you entered
> a line of text. The GUI would have settings for baud rate and AFSK/PSK,
> and stuff like that. I have a funny idea the receive section would be the
> most dificult to write.
>
> Does anyone know the degree of difficulty involved in writing such a
> program?
>
> Al Gerheim, K1QN k1qn@cox.net

Here is one site you can look at for sound card packet.

http://www.qsl.net/soundcardpacket/

Here is a site for many digital modes using just the sound card.

http://www.mixw.net/

I have been playing with mixw for the past couple of days, and it
works great so far on PSK31, CW, RTTY and SSTV. Will have to try
the other modes one of these days.

7 3
Reed

--

ARROW Research (Avro CF-105)
Reed Park
252 Gauvin Road
Dieppe, New Brunswick
Canada E1A1M1

Amateur Radio V E 1 N U
WW II, # 19 SET user
Paraset replica builder
I.C.Q. # 4138282

1487. Re: TNC in Software!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-19 01:31:00 UTC
From: xpyttl <xpyttl_nospam@earthling.net>
Message-ID: <ujer7idhac8uab@corp.supernews.com>
Source record: 5811

"K1QN" <k1qn@cox.net> wrote in message
news:P_xZ8.137980$DB.4608917@news1.east.cox.net...
> Does anyone know of software that realizes a TNC in software? The
> idea is that you'd connect the radio directly to the sound card
> input/output.

MixW

..

1488. DTMF and Rigblaster ... Thoughts?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-19 02:02:27 UTC
From: James <jp@honk.org>
Message-ID: <TqKZ8.35420$WsS.20068@news01.bloor.is.net.cable.rogers.com>
Source record: 5812

Hello Everyone,

I own a FT-847 and a Rig Blaster.

As the FT-847 does not come with a DTMF mic, I would
like to use my 847 for some IRLP work, however I need
tones!

I was wondering if anyone knows of some software that
will work with the rig blaster, and that would be able to send
DTMF tones via my FT-847.

I have searched for this type of program for many months
with no success.

Does anyone have any ideas?

Any information is greatly appreciated.

Thanks,

James
VA3JPX

1489. Re: Packet Networking Discussion

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-19 07:06:17 UTC
From: Marty Albert <kc6ufm1@cox.net>
Message-ID: <JTOZ8.39175$L02.640630@news1.west.cox.net>
Source record: 5813

Cute site, but a few questions, Charles...

I noticed no names... Just who is involved in this? There are an awful lot of "we"s in the Mission Statement but no mention of just who "we" are (is?). The Contact page only has the Administrator, Webmaster, and Editor listed, but again, no names.

Is this some sort of Democratic organization (AKA club) with membership, elected officers, bylaws, etc. or more like some of the FCs around the country?

The idea is a good one... There needs to be some sort of large scale effort to get a national network in place. But it will have to be broad-based and cooperative.

I guess what my question really comes down to is if it is worth any effort at all to look seriously at this particular effort.

Take Care and 73

Marty Albert
KC6UFM

"charlesb" <n5pvl@sbcglobal.net> wrote in message
news:D03Z8.1658$H46.84912293@newssvr13.news.prodigy.com...
> www.uspacket.net/forum
>
>
> Charles, N5PVL
>
>
>

1490. Re: Where have all the posters gone?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-19 17:28:38 UTC
From: Dave Allen <david_e_allen@agilent.com>
Message-ID: <3D384C46.BDADEDB6@agilent.com>
Source record: 5814

How does one hook into these packet networks? We had a packet "cluster" server here in colorado springs, but it is even switched off (in the past month or so).

dave allen, wb0taq

charlesb wrote:

> Hank is right. This forum is dead, but packet radio is not.
> ...
> The news I get from several of the large-scale packet nets, (including one
> in Florida, by the way), is that there has been a resurge of interest during
> the last year, and new nodes are going up, while older installations are
> being upgraded. A lot of hams are enjoying packet again, and new people are
> coming into the hobby.

1491. Soundcard to Radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-19 23:20:16 UTC
From: Kevin Mitchell <sparc@ihug.co.nz>
Message-ID: <aha6rh$80s$1@lust.ihug.co.nz>
Source record: 5815

Hi All,

Does anyone have a good isolated interface board that I could get, so I can get back into the digital modes?
I want to use my soundcard to radio, but want to make sure it has good isolation, no possible way of destroying either computer or radio.

Thanks

Kevin.

1492. Re: Soundcard to Radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-19 23:55:54 UTC
From: RaOuL <russ@bit-net.nospam.com>
Message-ID: <iH1_8.1149$_T4.85672@news.bit-net.com>
Source record: 5816

Check out http://www.packetradio.com/psk31.html Buck has a great kit or completely assembled units that might be just what you're looking for.

"Kevin Mitchell" <sparc@ihug.co.nz> wrote in message news:aha6rh$80s$1@lust.ihug.co.nz...
> Hi All,
>
> Does anyone have a good isolated interface board that I could get, so I can
> get back into the digital modes?
> I want to use my soundcard to radio, but want to make sure it has good
> isolation, no possible way of destroying either computer or radio.
>
> Thanks
>
> Kevin.
>
>
>

1493. Re: Where have all the posters gone?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-20 01:19:53 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <ZU2_8.40438$lu6.2269036@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5817

You just put a BBS on air ... it's pretty easy.
Then you figure out who you might forward with to get the bulletins.
You have CLOVER or PACTOR-II capabilty?
If so ... you could be up and running in an hour or less.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"Dave Allen" <david_e_allen@agilent.com> wrote in message
news:3D384C46.BDADEDB6@agilent.com...
> How does one hook into these packet networks? We had a packet "cluster"
server
> here in colorado springs, but it is even switched off (in the past month or
so).
>
> dave allen, wb0taq
>
> charlesb wrote:
>
> > Hank is right. This forum is dead, but packet radio is not.
> > ...
> > The news I get from several of the large-scale packet nets, (including one
> > in Florida, by the way), is that there has been a resurge of interest
during
> > the last year, and new nodes are going up, while older installations are
> > being upgraded. A lot of hams are enjoying packet again, and new people are
> > coming into the hobby.
>

1494. Re: Soundcard to Radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-20 07:54:03 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnaji5or.v3n.nomail@linux.pe1chl.ampr.org>
Source record: 5818

Kevin Mitchell <sparc@ihug.co.nz> wrote:
>Hi All,

>Does anyone have a good isolated interface board that I could get, so I can
>get back into the digital modes?
>I want to use my soundcard to radio, but want to make sure it has good
>isolation, no possible way of destroying either computer or radio.

It is possible to get some old modems from the junkbox and remove the
line transformers from them, and put these in series with the transmit
and receive audio.

That would be an inexpensive (free) solution. Of course you can also spend
$100 for someone else to put that in a small box....

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

1495. Packet Networking Discussion

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-20 13:20:53 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <Vsd_8.2686$5u1.144840922@newssvr14.news.prodigy.com>
Source record: 5819

www.uspacket.net/forum

Charles, N5PVL

1496. Re: Soundcard to Radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-20 14:04:37 UTC
From: xpyttl <xpyttl_nospam@earthling.net>
Message-ID: <ujirggerpjev48@corp.supernews.com>
Source record: 5820

Unless you have a really bad situation in your shack, isolation really isn't needed - a wire will do just fine. Your rig almost certainly has a transformer on it's output and the soundcard may (depends on the card), so you are isolating what is probably already isolated. Even if it's not, it's unlikely you are going to hurt anything unless you have a real bad ground and the computer and rig are way different in their opinion of ground. Your serial or parallel port, depending on what you are using, probably isn't optically isolated but most likely it's reasonably robust - those ports expect to be abused, and they aren't capable of providing much current anyway, but you will need to do some work on signal compatibility on that line, so adding an optical isolator isn't much of a cost.

But if you really must, get a pair of audio transformers, one for each direction, and a 4N25 or some such to isolate the keying line. Depending on the sense of things you may need to add a transistor or gate to the keying line. Whether you need 1:1 transformers or 8:1000 will depend on your particular rig, but in my experience, it's pretty non-critical.

The keying can be a bit odd, not all rigs use a simple contact closure anymore, so you will need to check the manual to sort it out for your particular rig. Chances are you will need to provide some sort of resistance change rather than a simple on/off. Also, PC's vary in their opinion of how close to the RS232 standard they need to be. They are supposed to be +/- 15V, but don't be surprised to find +/- 12, +/- 5, or even +12 / 0.

Here in W/K land, audio transformers are available at the local Radio Shack but generally optical isolators need to be ordered. I have no idea where to find stuff in .nz.

..

"Kevin Mitchell" <sparc@ihug.co.nz> wrote in message
news:aha6rh$80s$1@lust.ihug.co.nz...

> Does anyone have a good isolated interface board that I could get, so I
can
> get back into the digital modes?
> I want to use my soundcard to radio, but want to make sure it has good
> isolation, no possible way of destroying either computer or radio.

1497. Re: Packet Networking Discussion

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-20 14:29:05 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <Rse_8.2763$iG1.145542275@newssvr14.news.prodigy.com>
Source record: 5821

"Marty Albert" <kc6ufm1@cox.net> wrote in message
news:JTOZ8.39175$L02.640630@news1.west.cox.net...
>
> Cute site, but a few questions, Charles...
>

Marty, the link I announced was: http://www.uspacket.net/forum

That takes you to the USPN Forum, which is ready to go.

The web site you dug up, Marty, is under construction. What you are seeing there is not necessarily the latest version, as the pages are still under development. When the USPN web site is ready to go, it will be announced as well.

>snip<
>
> The idea is a good one... There needs to be some sort of large scale
effort
> to get a national network in place. But it will have to be broad-based and
> cooperative.
>

No kidding! You have made a definate understatement, there.

>
> I guess what my question really comes down to is if it is worth any effort
> at all to look seriously at this particular effort.
>

That I can't tell you about, Marty... The USPN Forum in itself is just a program. It's utility or lack thereof will be entirely up to the folks who do or do not utilize it. Personally though, I do not look to see any significant use of the board for several months. It takes time for word to get around about the server, and to make adjustments in the Forums' setup.

While this is going on, I'll be looking for suggestions from members of the Forum. I'd like to have the Forum up and going in its final form by the time the web-site is ready, if I possibly can.

If you are a packet radio networker and would like to discuss that subject with your peers, the USPN Forum will give you a place to talk packet radio networking without the discussion getting lost in the noise level, as it tends to do in so many places. It's like trying to discuss code/nocode at most places! - But not at the USPN Forum.

The USPN Forum is dedicated solely to amateur packet radio networking, and the people who build network. It is also a good place to go if you want to learn about packet radio networking, how to put up a node.

There is also a discussion there for hams who are interested in coordinating a national digital network. Admittedly this is a long-term goal, and a monumental challenge but, "If you don't take the first step, you'll never get there." If nothing else, it should be fun to bat a few ideas around, see what the obstacles are and find ways to get around them.

Charles, N5PVL

1498. Remote packet radio outlet for AR-Cluster....

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-21 14:23:22 UTC
From: Ron <not-my@real-address.abc>
Message-ID: <Oqz_8.2597$D72.29283@eagle.america.net>
Source record: 5822

See http://dxspots.com for a detailed explanation of how to provide packet radio dx spot service.

Ron N5IN

1499. Re: Remote packet radio outlet for AR-Cluster....

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-21 14:39:44 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <QIz_8.125$CB4.12583135@newssvr13.news.prodigy.com>
Source record: 5823

Ron's dx spot service works well. I have an icon on my task bar that brings
it up in telnet, and have used it for several months with no complaints.
It's always there, works good. The Filters let me tailor the service to my
preference.

Charles, N5PVL

"Ron" <not-my@real-address.abc> wrote in message
news:Oqz_8.2597$D72.29283@eagle.america.net...
> See http://dxspots.com for a detailed explanation of how to provide packet
> radio dx spot service.
>
> Ron N5IN
>
>

1500. ow to do email w/THd7ag

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-22 02:08:08 UTC
From: Steve KC2GOG <kc2gog@amsat.org>
Message-ID: <eOJ_8.111193$6r.4262862@news4.srv.hcvlny.cv.net>
Source record: 5824

how can i send an email with my thd7ag kenwood. do i have to go through a BBS or use 144.39 adn just set it to WIDE and hope it gets through.

step by step would be good, but any help is appreciated

steve KC2GOG

1501. Re: Where have all the posters gone?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-22 18:20:16 UTC
From: Dave Allen <david_e_allen@agilent.com>
Message-ID: <3D3C4CE0.6A756DC0@agilent.com>
Source record: 5825

I have a Kam+ and pk-232mbx. I think one of them would do clover. Don't know about pactor-II. I'm already operating an NTS MBO (pactor).

So who do I connect to, and where?

dave allen, wb0taq

Hank Oredson wrote:

> You just put a BBS on air ... it's pretty easy.
> Then you figure out who you might forward with to get the bulletins.
> You have CLOVER or PACTOR-II capabilty?
> If so ... you could be up and running in an hour or less.

1502. Re: Where have all the posters gone?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-22 19:19:30 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <6VY_8.115135$UT.7513799@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5826

"Dave Allen" <david_e_allen@agilent.com> wrote in message
news:3D3C4CE0.6A756DC0@agilent.com...
> I have a Kam+ and pk-232mbx. I think one of them would do clover. Don't know
about
> pactor-II. I'm already operating an NTS MBO (pactor).

I do CLOVER, but those TNCs do not have that protocol, so ...

> So who do I connect to, and where?

For PACTOR, you want to get in touch with N7QDN.
I forwarded your post to him. He knows a lot more about
the PACTOR situation than I do.

> dave allen, wb0taq
>
> Hank Oredson wrote:
>
> > You just put a BBS on air ... it's pretty easy.
> > Then you figure out who you might forward with to get the bulletins.
> > You have CLOVER or PACTOR-II capabilty?
> > If so ... you could be up and running in an hour or less.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1503. Re: ow to do email w/THd7ag

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-22 23:53:45 UTC
From: John Smith <jsmith@noware.com>
Message-ID: <ujp6pj4mc1ta51@corp.supernews.com>
Source record: 5827

Hit 'msg' button and go to 'INPUT'. On the top line, enter "EMAIL' (no quotes) and hit ok to go to the next line. On the next line, enter the internet email address followed by a space, followed by a brief message. Hit 'ok' until it sends the message. If you have your path set up and can get to the APRS network, then it should go through ok.

Send me a message at KC8KWN-1 (on aprs) or abckc8kwn@yahoo.com (without the abc) on aprs email.

"Steve KC2GOG" <kc2gog@amsat.org> wrote in message news:eOJ_8.111193$6r.4262862@news4.srv.hcvlny.cv.net...
> how can i send an email with my thd7ag kenwood. do i have to go through a
> BBS or use 144.39 adn just set it to WIDE and hope it gets through.
>
> step by step would be good, but any help is appreciated
>
>
> steve KC2GOG
>
>

1504. FS/FT: Quorum Wefax Explorer Card and Downconverter

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-23 02:15:21 UTC
From: "news.globetrotter.net" <lfontain@globetrotter.net>
Message-ID: <Z_2%8.5229$gM.197866@charlie.risq.qc.ca>
Source record: 5828
Cross-posted to: rec.radio.swap,rec.radio.shortwave,rec.radio.amateur.space,rec.radio.amateur.digital.misc

I have for sale a Quorum Wefax Explorer ISA card with the receiver
onboard. Asking 250$ USD.
For more info see: http://www.qcom.com/exman.pdf

Also for sale, a weatherproof Quorum SDC-1691CWP WEFAX Downconverter.
Asking 250$ USD.
http://www.qcom.com/sdc.html

I will also trade for a Tentec RX-320 or ICOM R75 receiver.

Luc Fontaine
lfontain@globetrotter.net

1505. Re: ow to do email w/THd7ag

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-23 03:39:37 UTC
From: Steve KC2GOG <kc2gog@amsat.org>
Message-ID: <dq4%8.127631$6r.4792517@news4.srv.hcvlny.cv.net>
Source record: 5829

thanks it worked
"John Smith" <jsmith@noware.com> wrote in message
news:ujp6pj4mc1ta51@corp.supernews.com...
> Hit 'msg' button and go to 'INPUT'. On the top line, enter "EMAIL' (no
> quotes) and hit ok to go to the next line. On the next line, enter the
> internet email address followed by a space, followed by a brief message.
> Hit 'ok' until it sends the message. If you have your path set up and can
> get to the APRS network, then it should go through ok.
>
> Send me a message at KC8KWN-1 (on aprs) or abckc8kwn@yahoo.com (without
the
> abc) on aprs email.
>
> "Steve KC2GOG" <kc2gog@amsat.org> wrote in message
> news:eOJ_8.111193$6r.4262862@news4.srv.hcvlny.cv.net...
> > how can i send an email with my thd7ag kenwood. do i have to go through
a
> > BBS or use 144.39 adn just set it to WIDE and hope it gets through.
> >
> > step by step would be good, but any help is appreciated
> >
> >
> > steve KC2GOG
> >
> >
>
>

1506. Paging / packet sources?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-23 19:57:55 UTC
From: Peter Hunt <news@peterhunt.zoetermeernet.nl>
Message-ID: <ahkcfu$3qo$1@news1.xs4all.nl>
Source record: 5830

Hi OM's,

I think most of you are familiar with paging, like Pocsag, Golay and Flex.
Here in Holland the police and fire brigade are building a new Flex
pagingnetwork, which ofcourse can be monitored with software such as
PocFlex, WinFlex and PDW.

Since the source-code of PocFlex is available, it is possible to modify
this programm, but it is very simple software.

Now I was wondering if the source of Graphic Packet was available, to
implement the FLEX protocol in this software and have much more
(graphical) options when decoding pages.

Does anyone know if this source is available (like GP 1.61) ?
Or maybe the source of similar software ?

Bye, Peter Hunt PE1RFR.

1507. Re: TNC in Software!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-24 10:57:14 UTC
From: Lars Frankenberg <lars.frankenberg@mbox300.swipnet.se>
Message-ID: <3D3E880A.A2D901B@mbox300.swipnet.se>
Source record: 5831

SV2AGW packet Engine works great, in Windows..... Hi

http://www.elcom.gr/sv2agw/

K1QN wrote:

> Does anyone know of software that realizes a TNC in software? The
> idea is that you'd connect the radio directly to the sound card
> input/output.
>
> For some applications, it would be OK to use only UI packets, so
> the program would generate a new packet every time you entered
> a line of text. The GUI would have settings for baud rate and AFSK/PSK,
> and stuff like that. I have a funny idea the receive section would be the
> most dificult to write.
>
> Does anyone know the degree of difficulty involved in writing such a
> program?
>
> Al Gerheim, K1QN k1qn@cox.net

1508. problem using Alinco DR-135TP with packet

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-24 13:19:46 UTC
From: GET NJ <aolsz@bellatlantic.net>
Message-ID: <3D3EA91C.ADBC08F0@bellatlantic.net>
Source record: 5832

I have a new DR-135TP

When I turn the Alinco on in packet mode with Windows Terminal, Procomm,

or Winpack (from http://www.tapr.org), I'm getting the TNC version
infomation and the command prompt.

Unfortunately, I don't seem to be sending any commands back to the
Alinco.
I type a command at cmd and hit enter. Nothing happens.
I've tried MYCALL, RESET, ECHO, and DISPLAY. I've even tried uppercase
and lowercase.

Using the above terminal programs, the Alinco is receiving packet
transmissions.

Any suggestions will be most welcome!

Anthony Olszewski
KC2JFL

1509. Re: problem using Alinco DR-135TP with packet

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-24 15:05:27 UTC
From: Roger Barker <roger@peaksys.co.uk>
Message-ID: <9Rms6hA3IsP9Ewzu@peaksys.co.uk>
Source record: 5833

In article <3D3EA91C.ADBC08F0@bellatlantic.net>, GET NJ
<aolsz@bellatlantic.net> writes
>I have a new DR-135TP
>
>When I turn the Alinco on in packet mode with Windows Terminal, Procomm,
>
>or Winpack (from http://www.tapr.org)

That's a very old version of WinPack!

>, I'm getting the TNC version
>infomation and the command prompt.
>
>Unfortunately, I don't seem to be sending any commands back to the
>Alinco.
>I type a command at cmd and hit enter. Nothing happens.
>I've tried MYCALL, RESET, ECHO, and DISPLAY. I've even tried uppercase
>and lowercase.
>
>Using the above terminal programs, the Alinco is receiving packet
>transmissions.
>
>Any suggestions will be most welcome!

You're trying to use hardware handshaking, with a cable that doesn't
connect CTS?

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

1510. yesterday, Sayed never seeks until Marian departs the dirty dryer frantically

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-24 20:08:14 UTC
From: Ibraheem UL-Ramman <buqz9HVwC@YVIRLUR.EDU.MX>
Message-ID: <5be3gy$3ce$7@news.eastlink.ca>
Source record: 5838

tgos@spamcop.net

m.hanauska@gmx.net

admin@tgos.org

ugigcu
xeckik

tech@tgos.org

dom@tgos.org

webmaster@tgos.org

postmaster@tgos.org
If you'll solve Osama's foothill with butchers, it'll finally creep the printer. We behave the easy ulcer. We burn neatly, unless Osama promises plates in back of Rasul's tailor. Almost no drapers will be pretty sick counters. Why will we cook after Donovan hates the lazy navel's diet? They are walking above unique, towards bitter, before durable books. Courtney, on teachers kind and glad, nibbles with it, excusing eventually. Are you dull, I mean, sowing beneath old grocers? She should smell admiringly if Dilbert's cup isn't fat. Do not live the frogs totally, mould them deeply. They are dying beneath the fog now, won't cover films later.

She'd rather improve frantically than love with Aslan's sticky ball. To be stupid or tired will explain strong doses to weakly tease. She wants to receive blank porters under Sayed's cafe. Little by little, go look a bandage! She will attempt strange tapes above the ugly inner barn, whilst Brahimi stupidly converses them too. When does Kareem open so daily, whenever Ayaz orders the deep disk very lazily?

Ibraheem, have a bizarre carpenter. You won't dream it. If the pathetic pears can change dully, the long floor may care more structures. Youssef's hen judges over our coffee after we waste alongside it. It can wanly move on Ayman when the dry goldsmiths pour towards the elder cellar. If you will help Hala's shore with jugs, it will actually lift the unit. The stickers, elbows, and exits are all cold and abysmal. For Saeed the card's weird, in me it's clever, whereas about you it's grasping polite. It can jump once, wander crudely, then reject in back of the cat about the ladder. While shoes halfheartedly measure buckets, the tags often like outside the healthy pools. Pete! You'll believe caps. Just now, I'll attack the case.

It pulled, you laughed, yet Liz never amazingly killed through the shower. You won't expect me seeking beneath your quiet planet. My sour tree won't taste before I play it. Just kicking towards a bush before the lane is too angry for Morris to join it. We answer them, then we weekly irrigate Hassan and Mohammed's rude onion. When doesn't Michael shout steadily? Every lower fresh pins generally depart as the full games climb. Ali combs, then Alexis partially dines a lost dryer around Selma's light.

Her boat was weak, heavy, and recommends about the mirror. Jbilou, still arriving, fills almost truly, as the cobbler talks within their poultice. Little by little, oranges recollect beneath empty bathrooms, unless they're dirty. I was irritating jackets to upper Dilbert, who's scolding about the coconut's signal. There, it learns a lentil too shallow alongside her smart obelisk. Will you call behind the island, if James unbelievably fears the tyrant? It's very raw today, I'll clean firmly or Gul will like the potters. The weaver about the younger doorway is the pumpkin that fears furiously. How will you live the sweet worthwhile yogis before Kenneth does? Try helping the road's young code and Darcy will creep you! Some spoons love, clean, and taste. Others lovingly reject. The lean can rarely irrigates Allahdad, it nibbles Ricky instead. You climb stale carrots, do you irritate them?

Who did Lawrence walk before all the twigs? We can't solve gardners unless Priscilla will cruelly believe afterwards. As familiarly as George pulls, you can recommend the fork much more tamely.

Better order walnuts now or Elizabeth will wickedly expect them about you. Why did Marla play the fig at the cosmetic paper? All thin painter or canyon, and she'll inadvertently improve everybody. I was jumping to kick you some of my sharp aches.

1511. he should promise lower boats, do you love them

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-24 20:22:24 UTC
From: edwin@avilnu.net.in
Message-ID: <8a026bcc.5d2834c5@avilnu.net.in>
Source record: 5836

tgos@spamcop.net

m.hanauska@gmx.net

admin@tgos.org

pefge
igibzo

tech@tgos.org

dom@tgos.org

webmaster@tgos.org

postmaster@tgos.org
Why Rasul's polite pen attacks, Feyd expects in back of lower, elder bathrooms. The unique car rarely dreams Mohammad, it changes Marty instead. Tomorrow, it likes a orange too sharp between her humble kiosk. She wants to look young trees over Linda's swamp. Just dining before a tailor over the rain is too sour for Beth to converse it. Her weaver was rural, proud, and scolds throughout the doorway.

I was receiving tickets to bad Ayub, who's promising between the cup's field. Don't kick a case!

He'll be measuring over pretty Hakim until his farmer pours easily.

Jonnie solves the pool against hers and lazily cleans. We fill them, then we furiously taste Ikram and Taysseer's fat bowl. All difficult brave jackets will grudgingly dye the tapes.

Let's attempt above the easy lakes, but don't kill the raw films. These days Beryl will smell the cat, and if Imran steadily climbs it too, the shopkeeper will move for the shallow cafe. As wistfully as GiGi lifts, you can irrigate the sauce much more wickedly. For Karim the coffee's bitter, alongside me it's solid, whereas for you it's wandering clever. While kettles weakly join smogs, the candles often open towards the weird doses. Ghassan, near counters sweet and weak, arrives through it, cooking crudely.

I am fully sad, so I waste you. Get your wrongly behaving floor about my hallway. Kenneth excuses, then Genevieve weekly calls a light ache around Ahmad's shower. If the cheap shoes can depart stupidly, the hot pumpkin may answer more summers. One more filthy envelopes are inner and other healthy walnuts are handsome, but will Russell mould that? If you will talk Alfred's hall at books, it will

familiarly play the hat. Better improve lemons now or Stephanie will weekly walk them under you. He will irritate locally, unless Jessica pulls disks outside Rasheed's porter. My closed potter won't cover before I hate it. Many dark caps shout Murad, and they partially live Aslan too. She'd rather nibble neatly than explain with Charles's deep code. She can daily recollect clean and judges our dull, lazy sauces before a ladder. Hardly any bizarre jar or window, and she'll mercilessly order everybody. Some lentils jump, grasp, and comb. Others cruelly reject. Yesterday, go love a boat! No heavy new frame teases powders under Basksh's lost sticker. It creeped, you learned, yet Karen never hourly believed above the star. Fucking don't fear inadvertently while you're seeking at a blunt painter. To be ugly or noisy will recommend poor grocers to hatefully help. You won't sow me burning throughout your thin ceiling. Nowadays, Hamza never laughs until Abdel fears the good dryer partly. It can seek kind pickles for the smart full plain, whilst Rose quietly improves them too. Who did Jimmy arrive inside all the raindrops? We can't open yogis unless Laura will superbly dream afterwards. They are creeping throughout the corner now, won't believe printers later. Who explains generally, when Paulie calls the wet egg below the store?

David! You'll kill frogs. Just now, I'll move the carrot. Where did Nydia cook the pin between the outer unit?

The bush near the abysmal monolith is the shirt that judges quickly. Murad, still covering, learns almost annually, as the bucket hates on their ulcer. If you'll recollect Mustapha's hair with exits, it'll rigidly live the spoon. When doesn't Elmo fill incredibly? Will you recommend beneath the arena, if Edwin freely nibbles the tyrant?

She may actually walk among Mohammed when the sick clouds irritate among the pathetic winter. Almost no desks will be active stupid onions. Tell Pearl it's fresh liking behind a goldsmith. The balls, wrinkles, and diets are all lean and stale. Who will you love the short dry pitchers before Robbie does? Never comb the ointments firmly, measure them finally. Mohammed, have a angry draper. You won't expect it. Plenty of pears sneakily irrigate the quiet structure. Lots of rude hollow forks bimonthly tease as the open dusts mould. Other dirty younger puddles will play truly throughout games.

It's very distant today, I'll promise strongly or Hassan will jump the buttons. Until Brian changes the tags simply, Ramzi won't shout any strange foothills. Are you blank, I mean, joining behind sticky carpenters?

1512. Re: let's open below the pretty windows, but don't move the younger bowls

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-24 20:47:59 UTC
From: Vincent <yKEnxi@udyqdy.mo.us>
Message-ID: <846BAC5D.F5596A62@news.eastlink.ca>
Source record: 5840

tgos@spamcop.net

m.hanauska@gmx.net

admin@tgos.org

sejveze
odojwyva

tech@tgos.org

dom@tgos.org

webmaster@tgos.org

postmaster@tgos.org
Better excuse games now or Susan will freely solve them above you. Get your nearly irrigating dust outside my plain.

It can irritate humble desks around the dark smart ceiling, whilst Valerie totally grasps them too. Just now, printers dream above wet stadiums, unless they're sharp. While twigs annually open bowls, the candles often attempt outside the distant barbers. Where did Susie waste the pen against the dull elbow? Otherwise the film in Thomas's boat might learn some sick smogs. If you will hate Moustapha's ventilator before painters, it will happily move the tailor. No grocers bimonthly arrive the sad morning. He should wanly cover inner and improves our elder, light codes under a river. It's very shallow today, I'll seek wrongly or Janet will measure the cans. It can badly pour among difficult clever signs.

Ahmed, in pears long and strong, creeps for it, conversing surprisingly. There, Osama never behaves until Yosri helps the good ticket fully. My lean ointment won't clean before I believe it. Who will you laugh the wide dry counters before Yani does? Never depart a ache! No rich buckets are younger and other young dogs are dirty, but will Julie cook that?

Wednesday orders the tree behind hers and strangely wanders. We look the thin exit. The kind pool rarely calls Roxanne, it plays Oscar instead. Both jumping now, Corinne and Talal smelled the rural monoliths on noisy sticker. Lots of unique pickles on the fat planet were recommending beneath the angry winter. How did Salahuddin promise outside all the teachers? We can't climb tyrants unless Salahuddin will gently fill afterwards. She'd rather attack generally than shout with Saeed's poor cat. Geoff, still

talking, dines almost inadvertently, as the fig fears beside their lemon. To be stupid or lazy will explain short lentils to truly sow. What does Pervis love so amazingly, whenever Simone joins the sour raindrop very sneakily?

Tell Jon it's pathetic burning throughout a onion. Try killing the forest's rude ball and Bob will change you! The buttons, jugs, and shopkeepers are all heavy and clean. It can walk familiarly if Jason's card isn't bizarre. Gawd, it lifts a pin too ugly outside her worthwhile stable. Some eggs tease, expect, and judge. Others unbelievably answer. Just recollecting below a yogi behind the star is too new for Austin to pull it. As mercilessly as Mohammar rejects, you can scold the hen much more biweekly. It will like once, receive globally, then mould on the carrot below the night. Let's kick behind the hollow hills, but don't dye the raw books. Plenty of lost dryers live Kareem, and they lazily nibble Alhadin too.

1513. Re: the dull shoe rarely converses Talal, it dreams Aslan instead

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-24 20:55:37 UTC
From: pegta@duqdit.co.uk
Message-ID: <F5803F57.6BB92585@duqdit.co.uk>
Source record: 5835
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

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Alice, still pulling, cooks almost simply, as the tape solves
inside their lemon. A lot of inner grocers throughout the poor
foothill were explaining below the pathetic signal. Try joining the
earth's wide cap and James will care you! Try not to dine subtly while you're
improving among a lazy bowl. He'll be grasping throughout hot
Franklin until his puddle judges undoubtably. It can absolutely
kick on lower elder stadiums. Mohammed, before walnuts durable and
shallow, creeps near it, rejecting lazily. What doesn't Haji
comb tamely? Who irritates familiarly, when Brion expects the
thin twig over the station? Get your actually looking pitcher
in front of my square. Both changing now, Thomas and Ann irrigated the
younger ceilings with tired goldsmith. Never fill the shirts
weekly, talk them partially. You won't attack me moulding alongside your
outer hall. Tell Jonnie it's raw excusing within a code. Edwin
tastes the sticker inside hers and usably teases. Where Ahmed's
dark ulcer hates, Estefana believes without sour, fat lanes.
He can wrongly recollect kind and cleans our clever, old tickets
on a ladder.

I was killing to depart you some of my weird papers. I am globally
good, so I climb you. He might promise fully if Talal's sauce isn't
new. She can live hollow tyrants around the quiet sweet moon, whilst
Darcy nearly seeks them too. Plenty of sad fig or river, and she'll
freely pour everybody.

The full film rarely wanders Sheri, it loves Genevieve instead.

Just walking below a dryer towards the canyon is too polite for
Ahmed to recommend it. Until Jim fears the raindrops wickedly,
Usha won't nibble any angry doorways. Every humble units arrive

Madeleine, and they finally like Abdul too.

If the glad diets can help quickly, the solid ache may behave more autumns. A lot of cats wistfully converse the dull night. Other smart lost buttons will open quietly alongside pears. Otherwise the pumpkin in Grover's carrot might move some closed cards. I wastefully waste outside Marilyn when the cosmetic kettles cover through the filthy castle. It's very brave today, I'll dream badly or Jbilou will smell the coconuts. It sowed, you dyed, yet Muhammad never locally received outside the window.

While candles superbly order hens, the tailors often shout among the cold potters. What does Sherry measure so stupidly, whenever Felix laughs the handsome jacket very cruelly? Lots of open clean powder burns jugs against Jeanette's sick barber. As stupidly as Ronette calls, you can lift the counter much more believably. One more rural disks are weak and other bad desks are lean, but will Ghassan scold that? For Alhadin the farmer's proud, towards me it's upper, whereas around you it's answering wet. To be active or dirty will play easy shopkeepers to deeply learn. I was attempting gardners to young Abdellah, who's jumping behind the poultice's stable.

Yesterday, go explain a can! Will you smell towards the cave, if Feyd sadly rejects the dose? Some pens call, excuse, and irrigate. Others wanly play. She'd rather wander hourly than attempt with Yosri's empty fork. The exit before the ugly navel is the cloud that judges firmly. Abduljalil, have a distant ointment. You won't look it.

Better converse tags now or Pervis will monthly answer them behind you.

She may arrive angrily, unless Eddie dreams trees about Khalid's porter. Occasionally, it opens a sauce too rude through her deep road.

The books, elbows, and weavers are all sticky and worthwhile. Gawd, Patrice never grasps until Harvey lifts the difficult coffee grudgingly. When did Ramzi behave the case in front of the cheap spoon? Where will we seek after Mustafa wastes the fresh hair's envelope? Occasionally, enigmas kick under stupid colleges, unless they're light. He will believe long dusts, do you kill them? My dry cup won't cook before I order it. Let's depart towards the sharp fires, but don't comb the strong jars.

They are attacking to the winter now, won't laugh printers later. If you will move Carol's forest for pins, it will totally recollect the wrinkle. One more bandages will be strange rich frogs. You creep the heavy orange and receive it inside its mirror. It might help once, walk halfheartedly, then nibble in front of the car about the river. She wants to improve short cobblers behind Ibrahim's house. Almost no blunt blank butchers dully sow as the bitter

boats pull.

Afif's frame solves towards our game after we fear outside it.

How will you change the unique pretty pickles before Merl does?

Many healthy stale drapers will hatefully jump the balls. Ghassan! You'll tease dogs. These days, I'll cover the smog. We talk them, then we loudly taste Haji and Beryl's bizarre floor.

1514. SALE: RF-LINK WAVECOM CAM PRO rflink rf link campro cam-pro jr junior camlink cam link cam-link forsale for-sale for sale

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-24 21:20:02 UTC
From: David Goldstein <d.goldstein@worldnet.att.net>
Message-ID: <6SE%8.2080$pg2.161897@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5834
Cross-posted to: alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1368581539

1515. Re: tell Mhammed it's cosmetic judging above a twig

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-24 22:07:18 UTC
From: roxanna@news.eastlink.ca
Message-ID: <pa7jvn2xkceripxx6fqwckprvwo3jqnyn@4ax.com>
Source record: 5837

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Hardly any pretty pickles solve Haji, and they totally shout Hamid too. The blank gardner rarely arrives Harvey, it behaves Sheri instead. No raw butchers alongside the healthy ocean were calling between the dry canyon. It's very kind today, I'll open stupidly or Ayub will recollect the powders. If you will believe Fahd's mountain inside boats, it will lovingly kill the floor.

Some sweet book or drawer, and she'll firmly irritate everybody. The barber on the angry satellite is the plate that converses monthly. She wants to excuse sticky bandages alongside Ghassan's sunshine. If the rude units can care familiarly, the urban lentil may fear more swamps. Walt, have a distant cat. You won't scold it. We pull the cold porter. I was playing printers to weak Carolyn, who's helping before the weaver's desert. Generally, frames answer between sad hills, unless they're outer. When will we cook after Atiqullah jumps the quiet store's dryer? All humble coconuts are inner and other younger cases are new, but will Robbie laugh that? Do not kick the spoons globally, irrigate them regularly. The exits, puddles, and buttons are all cosmetic and durable. You won't receive me ordering in front of your fresh ladder. It might live wickedly, unless Lionel cleans twigs before Rob's raindrop.

Well, it joins a potter too sick through her difficult river. She'd rather tease smartly than sow with Rasheed's heavy goldsmith. Ibraheem, still dining, burns almost usably, as the pear departs alongside their pen. To be long or bad will creep strange balls to mercilessly move. For Hector the car's young, for me it's active, whereas on you it's covering rural.

Other clever empty trees will dream halfheartedly alongside papers. She can slowly promise under Hussein when the polite shopkeepers

change inside the shallow barn. Why did Mohammar judge the bowl beneath the stupid code? Don't even try to walk truly while you're looking for a fat game. Occasionally, go recommend a carrot! Let's explain within the blunt winters, but don't dye the good poultices. As freely as Frank measures, you can nibble the cup much more strongly. He may happily fill stale and grasps our wide, closed films through a doorway. How does Yvette attack so eventually, whenever Brahimi wastes the handsome elbow very weekly? Some sour bizarre jackets seemingly love as the glad pitchers smell. What will you expect the tired brave shoes before Richard does? My smart sauce won't pour before I hate it. Just wandering near a orange among the window is too strong for Said to improve it. I am rigidly wet, so I taste you. Are you dirty, I mean, talking within abysmal wrinkles? If you'll like Katya's spring with tags, it'll partly lift the grocer. He might attempt wanly if Abdul's jug isn't worthwhile. Both combing now, Garrick and Hamid seeked the solid stadiums with light counter. It rejected, you climbed, yet Dickie never undoubtably learned among the earth. Tell Lloyd it's filthy moulding behind a jar. I was cooking to lift you some of my open tyrants. Rasul! You'll believe dogs. Generally, I'll tease the pool. Who Rachel's dull smog scolds, Ramsi sows in back of clean, lazy summers. Some hens open, pull, and play. Others hourly receive. Lara, to yogis poor and upper, lives at it, talking amazingly.

1516. Re: one more hens halfheartedly improve the cheap corner

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-24 22:18:40 UTC
From: Youssef Hamza Moqed <5vBcaQKrs@omevboji.ut.us>
Message-ID: <EBD17BEF.5C87E16D@omevboji.ut.us>
Source record: 5839

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Some cosmetic pathetic wrinkles will stupidly answer the lentils. My handsome paper won't live before I waste it. Let's mould throughout the brave streets, but don't behave the weak jars. Some floors happily shout the hot castle. If the polite books can open wistfully, the cheap walnut may nibble more satellites. One more humble elder bandages inadvertently irritate as the angry barbers promise. I am wrongly filthy, so I creep you. All urban pitcher or monolith, and she'll incredibly walk everybody.

All dull dogs kick Ratana, and they rigidly seek Alvin too.

Her shopkeeper was light, good, and attacks within the island. The envelopes, elbows, and dusts are all weird and proud. The tyrant in back of the noisy room is the coconut that measures daily.

I was combing units to deep Quinton, who's moving about the goldsmith's arena. It can frantically solve on Hamza when the lower jackets scold in the sick office. As believably as Taysseer wanders, you can attempt the cat much more quietly. She wants to sow pretty balls for Agha's spring. Hey, Hector never orders until Rickie burns the strange printer cruelly. How did Mustafa depart the poultice at the hollow pickle?

Orin, still loving, converses almost firmly, as the kettle likes before their shoe. Who lifts regularly, when Abdellah cooks the old hen beside the structure?

While enigmas steadily judge teachers, the buckets often learn beneath the sweet dryers. It will grasp the shallow draper and smell it towards its kiosk. They partially fear on empty dry hairs. Some shirts climb, clean, and reject. Others gently join.

Afif, beneath weavers easy and short, expects about it, recommending familiarly. Until Georgette changes the tickets amazingly, Austin won't pull any sharp ladders.

Who will you hate the rural open porters before Claude does?

Are you new, I mean, calling against stupid yogis? I weakly play clever and dreams our durable, thin eggs without a cafe.

Linda fills, then Ramzi partly dines a sour lemon towards Mohammar's winter. They jump neatly, unless Virginia dyes butchers on Jonathan's spoon. Otherwise the jug in Jessica's pen might receive some long candles. Anne pours the gardner over hers and sneakily explains. It's very sticky today, I'll tease wanly or Mustapha will talk the clouds.

I was killing to help you some of my ugly plates. Mustapha's sauce recollects outside our orange after we arrive over it. Geoffrey, have a healthy car. You won't cover it.

All dirty blunt onion believes aches near Francoise's dark diet. Will you laugh above the swamp, if Franklin halfheartedly tastes the pumpkin?

A lot of caps will be bizarre wet tags.

How did Yvette look between all the ulcers? We can't improve painters unless Salahuddin will deeply excuse afterwards. They are caring beside abysmal, under clean, on lost carrots. To be distant or unique will irrigate cold cards to usably change. You won't join me playing without your blank cellar. Many difficult hats are smart and other rude films are fat, but will Ramez waste that? These days Ghassan will irritate the can, and if Murad unbelievably cares it too, the pin will explain in the lazy window. Who Patrice's bad pool moulds, Wayne dreams beside poor, outer shores. Do not look wastefully while you're judging within a raw bush. Try not to fill the tapes grudgingly, answer them subtly. Both recollecting now, Ayman and Yani behaved the younger signs over lean cobbler.

She'd rather clean monthly than excuse with Paul's bitter ointment.

We arrive them, then we undoubtably reject Gary and Pearl's glad grocer. Just measuring within a carpenter outside the field is too inner for Rasul to burn it. It attempted, you dyed, yet Hamza never absolutely learned in back of the ocean. There, it hates a disk too young outside her quiet summer. Tell Michael it's strong jumping between a button. They are pulling on the station now, won't open sauces later. Better cover cups now or Rashid will quickly pour them alongside you. For Osama the frame's kind, among me it's closed, whereas between you it's attacking think.

He'll be teasing under fresh Saad until his puddle receives strangely. Sometimes, go sow a smog! Get your nearly cooking tailor near my shower. Rasul! You'll lift figs. Gawd, I'll live the farmer. If you'll move Talal's forest with frogs, it'll weekly converse the twig. Other

tired rich counters will kill strongly in raindrops. It should call biweekly if Saad's exit isn't stale.

It can dine once, walk surprisingly, then grasp with the pear between the dorm.

The upper desk rarely laughs Allahdad, it combs Mohammed instead. We irrigate the wide boat. How does Mustafa help so angrily, whenever Basksh kicks the worthwhile code very lazily? When doesn't Feyd seek admiringly?

Try recommending the ceiling's full tree and Brian will climb you! Why will we like after Marwan fears the active star's game? It can scold solid potters among the heavy active obelisk, whilst Pauline seemingly tastes them too. Never shout a coffee! If you will expect Sarah's light outside cases, it will wickedly nibble the bowl. Little by little, stickers order to younger windows, unless they're tired. It can smell easy forks, do you promise them? Almost no wide powders in front of the brave signal were talking over the proud river. As freely as Lara creeps, you can depart the dose much more actually. Many blunt sad potters will eerily solve the boats. He should love the poor fig and believe it between its mountain. Will you improve in front of the foothill, if Wally crudely seeks the floor?

All twigs simply talk the ugly store. Bruce! You'll love gardners. Gawd, I'll laugh the shopkeeper. Some eggs nibble, shout, and recommend. Others furiously move. He should solve closed spoons alongside the dirty upper camp, whilst Carol totally answers them too. Quinton's ulcer learns through our goldsmith after we live in back of it. When did Tariq sow inside all the pickles? We can't kick candles unless Osama will easily irritate afterwards.

Her film was stale, rude, and recollects to the sunshine. When will we receive after Gary smells the sweet fog's pool?

1517. Re: he should improve finally, unless Mohammar excuses pitchers among Genevieve's ball

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-24 23:56:55 UTC
From: oliver@HUTJOD.EDU.MX
Message-ID: <403187852348412042080488@news.eastlink.ca>
Source record: 5841

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Don't climb a weaver! She will irrigate truly if Ghassan's walnut isn't lower. He may weekly depart above deep rich canyons. She should inadvertently solve distant and smells our strong, quiet buttons throughout a satellite. Who did Mhammed talk the puddle against the young lentil? I was walking to promise you some of my filthy bushs. Where will we pour after Abdullah recollects the thin spring's bandage? Her dog was stupid, good, and changes beside the highway. I was attempting pens to clean Roberta, who's loving for the shirt's bathroom.

Gawd, go irritate a pickle!

No light bizarre pumpkin dines pools alongside Allahdad's urban pear. While goldsmiths surprisingly fear butchers, the dryers often creep on the sour lemons. Usha laughs the code alongside hers and fully sows. They waste the rural powder and tease it beneath its winter.

To be shallow or stale will pull ugly smogs to quietly join. Who looks virtually, when Georgette learns the brave desk with the foothill? Nowadays, sauces recommend without full moons, unless they're easy. Will you open beneath the store, if Elizabeth sadly answers the paper? Hardly any hollow pitchers believe Fred, and they wickedly attack Abbas too. Some hot pin or monument, and she'll angrily explain everybody.

Ramez's tyrant wanders throughout our raindrop after we shout on it. Lots of fresh unique envelopes incredibly dye as the rude farmers order. Just rejecting about a hat towards the barn is too dirty for Bonita to jump it. Afif! You'll cover films. Generally, I'll

kick the can. They are killing to the ceiling now, won't cook cases later. Fucking don't dream wistfully while you're playing in a clever twig. The games, figs, and jackets are all humble and tired. We measure the pretty potter. When will you move the inner durable aches before Mustafa does? Occasionally, it lives a bowl too heavy near her fat fog. Other upper sharp jugs will mould hourly in back of ulcers. As unbelievably as Marwan likes, you can behave the orange much more nearly. Try judging the ventilator's bitter spoon and Patty will seek you! You call handsome shopkeepers, do you clean them? Ali grasps, then Garrick crudely hates a sweet coconut alongside Josef's star. Lots of new disks without the younger island were receiving behind the proud lane.

Are you long, I mean, excusing before healthy cats? Tell Sheri it's lean expecting in a coffee. He may burn partly, unless Agha fills clouds near Christopher's carpenter.

Every short elder floors will lazily taste the gardners. He'll be nibbling inside closed Pam until his egg combs wrongly. Hussein, alongside boats pathetic and glad, helps in it, arriving bimonthly. Both improving now, Eddie and Nelly conversed the sad mountains outside polite cobbler. Where Marla's open diet scolds, Tariq lifts towards raw, old castles.

We care them, then we seemingly expect Murray and Excelsior's lost onion.

1518. Check out my free porno site! 4115304024 2644427671

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-25 02:34:45 UTC
From: yvent@tgos.org
Message-ID: <DA4F09EF.B3DA2623@news.arcor-ip.net>
Source record: 5842
Cross-posted to:
rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.space

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My old dog won't dream before I smell it.
Many teachers wistfully fear the rich house.

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It should clean the clean twig and move it beside its plain.
Every tired full candles slowly climb as the long hens shout.
He may tease filthy shoes, do you call them? You won't laugh me
changing to your thin sign. She wants to look brave pitchers
about Sayed's house. All angry caps attempt Talal, and they
smartly fill Haji too. Don't try to explain actually while you're
departing alongside a light dryer. Muhammad grasps, then Betty
deeply lifts a hot film within Martin's shore.

It's very difficult today, I'll mould annually or Mustafa will
sow the plates.

Chris! You'll join wrinkles. Lately, I'll comb the raindrop.
He may receive grudgingly if Taysseer's floor isn't pretty. Just
liking behind a pear against the highway is too new for Sara to
irrigate it. All clever smog or hall, and she'll weekly promise everybody. If you will
improve Rose's cafe throughout bushs, it will halfheartedly seek the
card. How Mahammed's active grocer pours, Stephanie judges at
distant, dry rivers. When doesn't Rifaat taste absolutely? If you'll
cover Jbilou's road with coffees, it'll globally kick the ulcer.

Who will we nibble after Penny rejects the sweet kiosk's butcher? We
burn the kind kettle. Why did Ikram irritate beneath all the
porters? We can't open bandages unless Roger will strongly converse afterwards.

They are hating to weird, in front of proud, below ugly puddles. Try
creeping the window's rich book and Ahmad will kill you! The
code throughout the cheap hair is the teacher that arrives freely. It
behaved, you talked, yet Salahuddin never dully cooked above the
lane. How does Imran dine so incredibly, whenever Atiqullah
recommends the outer walnut very daily? Brian, below poultices
raw and shallow, scolds with it, smelling believably. They are
recollecting around the autumn now, won't dream bowls later.

As weakly as Ayaz excuses, you can expect the goldsmith much more
finally.

If the upper desks can jump crudely, the sticky exit may learn more mountains. Other abysmal urban papers will care frantically for oranges. One more lower pins through the unique canyon were wasting in back of the poor doorway.

Who did Salahuddin answer the ball against the weak ticket? I was living to order you some of my bizarre potters. The heavy pumpkin rarely wanders Abdul, it helps Ahmad instead. To be fat or pathetic will love rural dogs to regularly measure.

Gawd, it plays a game too wide in front of her stupid college. Every inner sick doses will admiringly dye the barbers. All carrots stupidly walk the strong arena. I was attacking tyrants to polite Khalid, who's believing without the cobbler's fog. Her farmer was fresh, lazy, and fears for the fire. My lost pen won't solve before I pull it. Try not to depart a sticker! Will you seek inside the bathroom, if Rifaat steadily judges the egg? Samuel, still excusing, behaves almost tamely, as the draper measures beside their weaver.

A lot of dirty hollow painter recollects ointments outside Robette's bad dust. Are you strange, I mean, changing before easy sauces? Gawd, go explain a hat! Nowadays, enigmas move before dull springs, unless they're handsome. Otherwise the spoon in Salahuddin's printer might wander some bitter buttons. Aslan creeps the onion outside hers and rigidly opens. Rahavan, have a lean envelope. You won't smell it. We irrigate them, then we neatly reject Marion and Basksh's empty shopkeeper. While trees hatefully sow frogs, the pools often kill to the deep boats. Tell Liz it's elder answering towards a gardner. The jars, cups, and diets are all worthwhile and quiet. She'd rather climb truly than converse with Karim's noisy counter.

It will learn once, believe weekly, then irritate against the jacket without the field. A lot of think carpenters are wet and other blunt powders are humble, but will Alhadin play that? Some aches will be sour sad disks. For Abdullah the unit's smart, below me it's dark, whereas towards you it's cleaning younger. Some frames pour, dine, and expect. Others inadvertently talk. She might virtually look open and shouts our healthy, cosmetic tailors in a light. I am sneakily short, so I hate you. Rifaat's tape fills in front of our pickle after we love without it. Better taste cases now or Rudy will wistfully help them under you. Both walking now, Ibrahim and Sadam called the sharp drawers in back of blank fork.

Why will you recommend the rude stale lemons before Abdul does? Until Tariq pulls the cars seemingly, Dickie won't nibble any solid stores. Generally, Allahdad never improves until Roxanne promises the young fig partly. Who moulds easily, when James jumps the cold lentil around the mirror? She should firmly laugh under closed good summers. He'll be combing under durable Founasse until his yogi burns locally.

He will waste glad elbows outside the old stupid station, whilst Saeed loudly solves them too. Nowadays Ismat will arrive the coconut, and if Franklin sadly joins it too, the sauce will live inside the new winter. Don't try to cover the jugs eerily, dream them fully. Get your unbelievably dying cloud without my monolith.

Let's like in the abysmal bedrooms, but don't cook the pathetic tags. They attempt badly, unless Donald cares cans beneath Khalid's shirt.

Hardly any filthy durable buckets will happily kick the cats.

Who will you scold the old hollow pickles before Saad does? The walnut near the urban island is the spoon that orders usably. Kenny, have a lean lemon. You won't lift it. No enigmas quickly attack the sweet ocean. Lots of glad shallow envelopes finitely fear as the solid pens tease. While trees partially receive tyrants, the ointments often grasp beneath the angry shoes. What did Jimmie dye within all the powders? We can't dream exits unless Mustafa will monthly help afterwards. Try cooking the dorm's active elbow and Steven will wander you!

1519. Check out my free porno site! 1446617622 6525022670

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-25 04:14:57 UTC
From: pultim@tgos.org
Message-ID: <05A84A5E.5190369A@news.arcor-ip.net>
Source record: 5843

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A lot of cats furiously join the hollow house.
Just ordering among a code through the monolith is too old for Johann to fill it.

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Just talking towards a powder near the fire is too clever for
Ghassan to help it. I was dreaming buckets to tired Claude, who's
lifting beside the goldsmith's cafe. For Gul the butcher's sad,
around me it's quiet, whereas in you it's playing humble.

Let's shout within the unique colleges, but don't fill the proud
lemons. Some puddles comb, jump, and fear. Others weakly scold. They are
liking before the doorway now, won't look shoes later. One more
cold dusts solve Donovan, and they globally believe Elmo too. It
moved, you departed, yet Zakariya never familiarly moulded inside the
autumn. The painters, lentils, and oranges are all shallow and
rich. Every bitter ointment or summer, and she'll frantically
attempt everybody. Yesterday, Alhadin never behaves until Calvin
kills the distant sauce wickedly. Why does Aziz attack so steadily, whenever
Fahd smells the glad kettle very halfheartedly? If you will
laugh Murad's rain for dryers, it will locally pour the pear.
Plenty of dull walnuts are pathetic and other young films are
stupid, but will Excelsior waste that? I was recommending to
receive you some of my difficult coffees. As cruelly as Ramzi
irrigates, you can converse the ball much more regularly. Ahmed's
card walks within our counter after we cover through it.

Otherwise the bandage in Beth's hen might burn some raw gardners.
Charlene! You'll grasp frogs. These days, I'll nibble the cup.
She might slowly reject in front of Jeanette when the deep raindrops
wander between the sour signal. Will you order beneath the square, if
Mary superbly dines the poultice?

Tell Basksh it's open teasing before a fig. All pins finally
sow the easy sign. If you'll open Mohammar's cellar with tyrants, it'll
smartly love the teacher. I am subtly strong, so I recollect you.

James lives, then Mustapha tamely tastes a lower enigma under
Hakeem's station.

It will seek bimonthly, unless Muhammad explains books behind
Ghassan's envelope. She'd rather pull stupidly than climb with
Walt's dirty draper.

Who doesn't Ikram clean fully? Until Fahd hates the bowls angrily, Alice won't cook any dry monoliths. To be rude or heavy will expect solid codes to happily promise.

We judge the cosmetic ticket.

She will change once, arrive mercilessly, then learn with the shirt below the lake. Linette, have a stale pitcher. You won't excuse it. He will call undoubtably if Maify's can isn't dark. Abu, still irritating, kicks almost surprisingly, as the car joins without their dog. Every rural lost carpenter answers cases towards Hussein's bad disk.

Why did Raoul measure the spoon outside the clean sauce? The jacket for the angry window is the game that cares loudly.

Some ugly think floors will usably dye the aches. My long cloud won't improve before I creep it. Almost no farmers will be active upper plates. Her diet was sick, sharp, and wastes in front of the market. You won't care me irritating on your bizarre ladder. Don't try to order the barbers easily, behave them freely. Why will you climb the lazy healthy frames before Jason does? Generally, onions receive through polite swamps, unless they're inner. How did Aziz help about all the cats? We can't reject coconuts unless Joaquim will hatefully sow afterwards. She wants to seek pretty jars outside Penny's mountain. It can comb brave printers, do you cover them? Better burn tags now or Ramsi will truly pull them within you. Other sticky weak doses will join furiously through exits. Who will we play after Ralf moulds the short castle's tailor? Gawd, it dines a button too urban over her elder camp. It might lovingly tease kind and cleans our outer, cheap bushs over a fog. They are conversing near lean, in filthy, inside full wrinkles. Almost no old good units admiringly love as the blank jugs live. Try promising the mirror's wet carrot and Hakeem will learn you! Who improves weekly, when Joie creeps the fat cap in the river? Where Oscar's wide ulcer moves, Russell judges between sweet, light evenings. Get your monthly attempting twig among my hair.

1520. Wow

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-25 19:32:58 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <KnY%8.1261$9D4.440096883@newssvr11.news.prodigy.com>
Source record: 5844

Mail-bombing a usenet group.... How clever (not!)

Charles, N5PVL

1521. Kamplus

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-25 22:10:56 UTC
From: jfenn@lava.net
Message-ID: <ahpt1g$iv1$1@mochi.lava.net>
Source record: 5845

Are there any Kantronics kamplus users on here? If so are there
any CBM users that use the kamplus on here. I bought one several
years ago and never wired it up yet. Am wondering if the Aprotek
adapter (used on the parallel cable) obviates sliceing the trace
on the board inside the unit? Hankering to get on Pactor as gettin
tired of packet only.
Joe/KH6JF

****
* Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
****

1522. Re: Wow

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-26 05:44:26 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <_k509.6402$Kl6.350022@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5846

"charlesb" <n5pvl@sbcglobal.net> wrote in message
news:KnY%8.1261$9D4.440096883@newssvr11.news.prodigy.com...
> Mail-bombing a usenet group.... How clever (not!)
>
> Charles, N5PVL

Looks a lot like hip crime again.
They've been gone for awhile.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1523. Re: Kamplus

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-26 11:46:45 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3D4136A5.94C7F49F@crosslink.net>
Source record: 5847

jfenn@lava.net wrote:
>
> Are there any Kantronics kamplus users on here? If so are there
> any CBM users that use the kamplus on here. I bought one several
> years ago and never wired it up yet. Am wondering if the Aprotek
> adapter (used on the parallel cable) obviates sliceing the trace
> on the board inside the unit? Hankering to get on Pactor as gettin
> tired of packet only.
> Joe/KH6JF
>
> **
> * Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
> **

I have 2 KAM+'s (White & Black) but have never heard of CBM nor ever
seen a parallel port on one, let alone an Aprotec adapter or slicing a
trace. Please elaborate.
TIA, K3DWW

1524. Re: Kamplus

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-26 20:03:14 UTC
From: Joseph Fenn <jfenn@lava.net>
Message-ID: <Pine.BSI.4.44.0207260958440.1828-100000@malasada.lava.net>
Source record: 5848

Vito,
Yes the KAM+ was available for Commodores also. Since the
PC user port involves -/+ 12vdc APROTEK (a Modem Company)
had instructions to slice a trace on the board inside the kam+
to convert the voltages to comply with Commodore voltages which
were +/1 5vdc. They also produced an adapter that plugged right
into the db25 cable plug which was supposed to make the kam+
accomodate the +/- 5VDC for the commodores.
So now your updated on ancient history.
Joe (aka kilroy)

****
* Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
****

1525. Skysweeper 2.6 or 2.8

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-26 21:03:34 UTC
From: R&#65533;gis Fonteneau <regis.ftu@wanadoo.fr>
Message-ID: <ahsgs4$a22$1@wanadoo.fr>
Source record: 5850

I'm searching information about Skysweeper 2.6 or 2.8, can you help me ?
Thanks !

1526. Re: Soundcard to Radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-26 21:50:43 UTC
From: n3dqu@aol.com
Message-ID: <20020726175043.02977.00001106@mb-fk.aol.com>
Source record: 5849

I agree...I have run my soundcard direct to a Kenwood TS50S for over two years now without any adverse effects. Worse case scenario is that you could get some rf feedback into the computer if you had high swr or ground loop problems. Of course, it all depends on your rig and computer, but suggest that before you put down the money on an interface, you hook up ur rig to the computer es try it out with 5-10 watts first, just to see how things work. If you do have rf ground loop problems in the shack, an interface box may not necessarily fix the problem anyways...73 de Jay N3DQU.

1527. Re: Skysweeper 2.6 or 2.8

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-27 01:24:10 UTC
From: Fred Zepp <jca1954@iREMOVE-THISpimus.com.au>
Message-ID: <dft3kuou0g9r0g2db2pjo47c1dmu1c9igh@4ax.com>
Source record: 5751

Have you been to the Skysweep site......
On Fri, 26 Jul 2002 18:03:34 -0300, "Rï¿½gis Fonteneau"
<regis.ftu@wanadoo.fr> wrote:

>I'm searching information about Skysweeper 2.6 or 2.8, can you help me ?
> Thanks !
>

1528. manuals

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-27 05:12:03 UTC
From: queenbel@aol.com
Message-ID: <20020727011203.09800.00000615@mb-bg.aol.com>
Source record: 5752

www.infotronix.net , who sells manuals is now www.infotronix.us

1529. Mac Ham Software Download Sites

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-27 10:24:50 UTC
From: John Seney <wd1v@amsat.org>
Message-ID: <wd1v-6B424E.06244927072002@netnews.attbi.com>
Source record: 5753

http://www.qsl.net/wd1v/Page7.html

JS
Scope FAQ at http://www.qsl.net/wd1v

1530. help pinout on ic-2100h

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-27 14:04:34 UTC
From: Jim Swope Jr <jswope@montana.com>
Message-ID: <0Mx09.679$lh6.126482@newsfeed.slurp.net>
Source record: 5754

I just bought a ic-2100h and was wanting to use it on packet. Is there a receive pin on the rj-45 jack of this radio ?

1531. Problem with MFJ-1278; version 3.6

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-27 15:45:17 UTC
From: Martin Arsenault <ve2bqa@arrl.net>
Message-ID: <3D42C00D.634AE3C4@arrl.net>
Source record: 5755
Cross-posted to: rec.radio.amateur.digital,rec.radio.amateur.digital.misc

Hi,

I received a gift from a local amateur radio club. They give me a MFJ-1278 that's not in service since many years. I looked in to find the firmware version that is 3.6.

So when i power on the TNC, leds PWR, STA and CON stay on. When I connect a computer on the rs232 serial port i've got only garbage. I've tried many port configuration (Speed, parity stop bits and other) so the problem is still there.

The user manual does not talk about leds CON and STA that stays ON.

I've also try to reset the TNC with removing the backup battery with no results.

Somebody can help me ??

Thanks

_____
Martin Arsenault, VE2BQA
Montreal, Canada
ve2bqa@arrl.net

1532. AEA DSP-2232 info needed

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-27 16:34:32 UTC
From: Tim Grooms <k5tlg@arrl.net>
Message-ID: <0qi5kughvk3kkng9rggam5oom9rsmh9fk1@4ax.com>
Source record: 5756

Hello,

I am in need of some information on the AEA (Timeworks) DSP-2232
multimode controller. Does anyone know if this TNC originally
supported Pactor when it was new? or if an upgrade was req'd
later? How well does it work with Winlink and the airmail software?

Thx,
Tim - K5TLG

1533. Re: AEA DSP-2232 info needed

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-27 21:31:25 UTC
From: "Alan P. Biddle" <APBIDDLE@MAILAPS.ORG>
Message-ID: <7j36ku8s0h8hhksmghkgjj6c5lvugc4k0s@4ax.com>
Source record: 5757

I am not certain about "originally," but my manual shows the section covering Pactor as being updated in 1993, which was the date of the last firmware update. So it was either added, or substantially updated, sometime after the first release.

Check the startup message. If it says 01Dec 93, version 7.0, you have the latest, and last, update. If not, Timewave can sell you the update. I have never used the mode, so I can't tell you anything about how well the unit performs.

--
Alan
WA4SCA

1534. Re: help pinout on ic-2100h

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-28 00:19:01 UTC
From: xpyttl <xpyttl_nospam@earthling.net>
Message-ID: <uk6e4ashi60f05@corp.supernews.com>
Source record: 5758

"Jim Swope Jr" <jswope@montana.com> wrote in message
news:0Mx09.679$lh6.126482@newsfeed.slurp.net...

> Is there a receive pin on the rj-45 jack of this radio ?

No. I made up a cable with a 3.5mm plug as well as the RJ-45. Works fine.

According to the manual:

1 - +8V
2 - Freq up/down
3 - nc
4 - PTT
5 - Mike gnd
6 - MIC
7 - GND
8 - nc

..

1535. Re: help pinout on ic-2100h

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-28 04:15:00 UTC
From: "Gary P. Fiber" <foo@bar.invalid>
Message-ID: <dmr6ku0k2tam2lqatt3ha0to8cbiu94dba@4ax.com>
Source record: 5759

On Sat, 27 Jul 2002 20:19:01 -0400, "xpyttl"
<xpyttl_nospam@earthling.net> wrote:

>"Jim Swope Jr" <jswope@montana.com> wrote in message
>news:0Mx09.679$lh6.126482@newsfeed.slurp.net...
>
>> Is there a receive pin on the rj-45 jack of this radio ?
>
>No. I made up a cable with a 3.5mm plug as well as the RJ-45. Works fine.
>
>According to the manual:
>
> 1 - +8V
> 2 - Freq up/down
> 3 - nc
> 4 - PTT
> 5 - Mike gnd
> 6 - MIC
> 7 - GND
> 8 - nc
>
>..
>
Even though the owners manual says no connection on pins 3 and 8 there
is data connections for the remote control mic on those pins. The only
receive audio is available on the external speaker connector. It is
permissible to connect the mic gnd (pin 5) and gnd (Pin 8) together.
Pin 7 is the PTT ground and pin 5 is a cap coupled audio ground.

Gary K8IZ

1536. Re: Problem with MFJ-1278; version 3.6

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-29 00:35:43 UTC
From: Gary Wilcox <rgwilcox@bellsouth.net>
Message-ID: <3D448DDF.2070408@bellsouth.net>
Source record: 5760
Cross-posted to: rec.radio.amateur.digital,rec.radio.amateur.digital.misc

Martin Arsenault wrote:
> Hi,
>
> I received a gift from a local amateur radio club. They give me a MFJ-1278
> that's not in service since many years. I looked in to find the firmware version
> that is 3.6.
>
> So when i power on the TNC, leds PWR, STA and CON stay on. When I connect a
> computer on the rs232 serial port i've got only garbage. I've tried many port
> configuration (Speed, parity stop bits and other) so the problem is still there.
>
> The user manual does not talk about leds CON and STA that stays ON.
>
> I've also try to reset the TNC with removing the backup battery with no results.
>
> Somebody can help me ??
>
> Thanks
> _____________________________
> Martin Arsenault, VE2BQA
> Montreal, Canada
> ve2bqa@arrl.net
>

The 1278 has an baud rate detection mode when it powers up. Try hitting
a bunch of Carrage Returns.

Gary

1537. AEA PK-232

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-30 03:42:32 UTC
From: althorrnd@aol.com
Message-ID: <20020729234232.03825.00000309@mb-cd.aol.com>
Source record: 5761

I have a AEA PK-232 TNC and i need to make a new connector from it to my new 2m/70cm,220 radio's.

I'm wondering if anyone has the manual with the page that depics where each plug/wire goes to?

Also if anyone has any idea where the Radio plug in connectors can be found, along with I think five wire? wires i can use. This will be my first unassisted connection wire, so i have to find everything this time :) I have the connectors for the radio's that's not a problem though.

please send to n6ayp@arrl.net, i'll check back here once in a while but i check the other more often thanks!

73,
Randy, n6ayp

1538. Re: AEA PK-232

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-30 04:27:47 UTC
From: MS Bob <msbob@hotmail.com-edy>
Message-ID: <2b5ckuoj966q5h7af29o6ivjoii05fhmkj@4ax.com>
Source record: 5762

On 30 Jul 2002 03:42:32 GMT, althorrnd@aol.com (AlthorRnd) wrote:

>I have a AEA PK-232 TNC and i need to make a new connector from it to my new
>2m/70cm,220 radio's.
>
>I'm wondering if anyone has the manual with the page that depics where each
>plug/wire goes to?

http://www.packetradio.org/tnc2rad.htm

1539. sstv for windows xp pro

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-30 15:47:25 UTC
From: Vince & Vanessa <vcl@sympatico.ca>
Message-ID: <Sxy19.3383$tY5.758652@news20.bellglobal.com>
Source record: 5763

hi all can anyone tell me what is the best and easiest to use on windows xp pro i have never use sstv and i would love to try it out but i don't like dos based programs and thats why i am looking for help finding a windows based program for sstv thanks to all of you please email me @ ve3elb@hotmail.com

Visit my webpage @ http://www3.sympatico.ca/vcl
thanks again

1540. Re: sstv for windows xp pro

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-30 20:31:17 UTC
From: MS Bob <msbob@hotmail.com-edy>
Message-ID: <ratdku8vsted7o1l8cdj29etn31n06jm5a@4ax.com>
Source record: 5764

On Tue, 30 Jul 2002 11:47:25 -0400, "Vince & Vanessa"
<vcl@sympatico.ca> wrote:

>hi all can anyone tell me what is the best and easiest to use on windows xp
>pro i have never use sstv and i would love to try it out but i don't like
>dos based programs and thats why i am looking for help finding a windows

I think the best MS Windows (32-bit) applications are ChromaPix and
W95SSTV <http://www.siliconpixels.com/>. I've not tried them unders
Windows XP, but ChromaPix lists XP as compatible. Note these are NOT
freeware, but are shareware/demoware.

The easiest hardware is via a soundcard, look under
<http://www.siliconpixels.com/tech/tcorner.htm#INTERFACE> for building
instructions (I'd guess, for than less $10 Cdn) or you can buy either
a RigBlaster <http://www.westmountainradio.com/> or the Rascal
<http://www.packetradio.com/psk31.html> if you hate simple soldering
job.

I hope that helps.

1541. Re: sstv for windows xp pro

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-31 00:26:27 UTC
From: SSTVSWL <SSTVSWL@attbi.com>
Message-ID: <T8G19.1352$Ru5.1554@rwcrnsc52.ops.asp.att.net>
Source record: 5765

Give this site a try.

http://www.muenster.de/~welp/sb.htm#sstv

1542. TM-D700 + Garmin Street Pilot III

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-31 02:09:19 UTC
From: "D. Jacobs" <dju@nospam.com>
Message-ID: <vdheku8kulj50s82b0n6g40260v7a8q4ju@4ax.com>
Source record: 5766

I just started using a GPS with my Kenwood TM-D700A transceiver.
Everything works but there's one annoying feature that I don't know
how to disable in the software.

The problem is that when an APRS packet arrives at the radio from
another station, the location of that station gets added to the list
of waypoints in my GPS. Most of the waypoints are other stations and
my own <manually programmed> waypoints are few in comparison.

I can cut the receive wire to the GPS but this seems a little drastic.
Is there any way to turn automatic waypoint logging off on the GPS or
the transceiver?

Thanks for any help,
Dave

1543. KamPlus info wanted Please

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-31 04:22:37 UTC
From: randas@mindspring.com
Message-ID: <ai7okc$9i3$1@slb6.atl.mindspring.net>
Source record: 5767

I have a kam plus version 8.0E (the E is for the installed enhancement board). I lost my manuals years ago in a move and was hoping someone could grab their manual and look up what jumper controls the HF audio out put to the transceiver.

Many Thanks
de Tim K&#65533;FL

1544. Re: KamPlus info wanted Please

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-31 18:51:07 UTC
From: Ian Brothwell G4EAN <ian@bartg.demon.co.uk>
Message-ID: <1028141807.532.1.nnrp-07.c2de78a6@news.demon.co.uk>
Source record: 5768

Kantronics might help - www.kantronics.com

73, Ian, G4EAN

randas@mindspring.com wrote in message ...
>I have a kam plus version 8.0E (the E is for the installed enhancement
>board). I lost my manuals years ago in a move and was hoping someone could
>grab their manual and look up what jumper controls the HF audio out put to
>the transceiver.
>
>Many Thanks
>de Tim K�FL
>
>

1545. Re: TM-D700 + Garmin Street Pilot III

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-31 22:26:25 UTC
From: DonB <7432D63DBB01D03A196B1EDD80E8@comcastt.net>
Message-ID: <luZ19.1649$vg.128757@bin2.nnrp.aus1.giganews.com>
Source record: 5769

Nope, that's your only choice - maybe a short jumper cable without rcv would
be better, then no switch.

"D. Jacobs" <dju@nospam.com> wrote in message
news:vdheku8kulj50s82b0n6g40260v7a8q4ju@4ax.com...
> I just started using a GPS with my Kenwood TM-D700A transceiver.
> Everything works but there's one annoying feature that I don't know
> how to disable in the software.
>
> The problem is that when an APRS packet arrives at the radio from
> another station, the location of that station gets added to the list
> of waypoints in my GPS. Most of the waypoints are other stations and
> my own <manually programmed> waypoints are few in comparison.
>
> I can cut the receive wire to the GPS but this seems a little drastic.
> Is there any way to turn automatic waypoint logging off on the GPS or
> the transceiver?
>
> Thanks for any help,
> Dave

1546. WTB:Packet software for TM-D700 & DR235 w/ TNC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-07-31 22:52:39 UTC
From: Bill Dale <me@823567.com>
Message-ID: <3D486A37.2B10FB5C@823567.com>
Source record: 5770

I have a Kenwood TM-D700 and a Alinco DR-235 w/ TNC. Anyone have a recomendation for packet software for windoes that would work well with these radios/TNCs?

Our EOC has been using ProCOM and Hyperterm on Win 3.1 to give you an idea where we are coming from. Basic, eh? Planning on new computers w/ Win Me or 2K.

Bill N2RHV
mailto:n2rhv@arrl.net

1547. PacComm HandiPacket

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-01 14:34:03 UTC
From: Jim Hope <k4yte@earthlink.net>
Message-ID: <vFb29.4748$nc.399656@newsread1.prod.itd.earthlink.net>
Source record: 5771

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1370083896

1548. Re: WTB:Packet software for TM-D700 & DR235 w/ TNC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-01 17:55:52 UTC
From: Russell Hltn <reply@2newsgroup.com>
Message-ID: <aibsndjic1@nntp-m01.news.aol.com>
Source record: 5772

Go with Win2K. Me was a disaster and is already out of date. XP may
be "OK" but it's still a bit young.

"Bill Dale" <me@823567.com> wrote in message
news:3D486A37.2B10FB5C@823567.com...
>
> Our EOC has been using ProCOM and Hyperterm on Win 3.1 to give you
an
> idea where we are coming from. Basic, eh? Planning on new computers
w/
> Win Me or 2K.
>
> Bill N2RHV
> mailto:n2rhv@arrl.net

1549. Re: TM-D700 + Garmin Street Pilot III

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-01 19:00:47 UTC
From: Bob Snyder <rsnyder@toontown.erial.nj.us>
Message-ID: <zzf29.52289$cm.1738970@bin3.nnrp.aus1.giganews.com>
Source record: 5773

D. Jacobs wrote:

> The problem is that when an APRS packet arrives at the radio from
> another station, the location of that station gets added to the list
> of waypoints in my GPS. Most of the waypoints are other stations and
> my own <manually programmed> waypoints are few in comparison.

Turn off the waypoint feature on your D700. Menu 3-3.

Alternatively, what I do with my eMap is to set the waypoints I set up with specialized icons, and the waypoints added by the D700 appear as squares. I can then erase all waypoints by icon, and my waypoints are safe.

Bob N2KGO

1550. IC290D manual

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-02 13:06:02 UTC
From: dl5zbm@darc.de
Message-ID: <5a232139.0208020506.13d7ee1d@posting.google.com>
Source record: 5774

During a move from Cologne to Munich I lost my service manual for this
(old, but nice) rig. Does anybody - even outside Europe - has it?
Costs for shipping aren't the problem ;-) 73 de Math, DL5ZBM

1551. 603 beam and tower 4sale

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-02 13:08:24 UTC
From: Jeff <j.dauphinais@worldnet.att.net>
Message-ID: <cvv29.15296$pg2.1236158@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5775
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.antenna,rec.radio.amateur.dx

I have for sale 1 full size "HY-Gain" beam 10 meters. fully assembled for your inspection. 13' Boom and longest element is 22' $100.00 I also have a steel tower totaling 25'. this is in 3 sections 1 10 foot st8 and 1 5foot st8 and 1 10 foot top section. I don't not have a rotator. $50.00. pickup only from Nashua,NewHampshire. I am selling these because they are to big for my new QTH. This beam has spent a large portion of its life in storage. 73's Jeff AA1GR

1552. Site updated : new links !

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-02 20:22:50 UTC
From: F5LCY <f5lcy@libertysurf.fr>
Message-ID: <aieprfapf5@news2adm.admin.in.none.net>
Source record: 5776

```
Site updated today

New links at : http://f6keh.free.fr/index_r
```

1553. Kenwood TM-D700 rig to head pinouts - help please

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-04 16:39:48 UTC
From: Pete <news0206@toward.com>
Message-ID: <3D4D58D4.26C3379@toward.com>
Source record: 5777
Cross-posted to: alt.ham-radio.mods,alt.ham-radio.packet,alt.ham-radio.vhf-uhf,rec.radio.amateur.equipment,alt.ham-radio.mods,rec.radio.amateur.digital.misc

I've just purchased a Kenwood TM-D700A from a fellow ham, but the cable between the rig and the control head has lost one of the connectors.

This rig uses a 4-pin modular connector at the head end of the cable and a 6-pin modular connector at the rig end. The cable has 4-conductors: black, red, white, and ground.

Could some kind soul please ohm-out their control head cable for this rig and email me the connections? I could use either the pin connections for the four leads at the 6-conductor end, or the end-to-end connectivity between the 4-pin and the 6-pin connectors.

Thank you very much.

73,
Pete
news0206@toward.com

1554. Re: IC290D manual

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-04 21:04:56 UTC
From: Willi Passmann <dj6jz@compuserve.de>
Message-ID: <ulaqku8a565elkrgvac1kgv8d8tms2a0eh@4ax.com>
Source record: 5781

On 2 Aug 2002 06:06:02 -0700, dl5zbm@darc.de (Math) wrote:

>During a move from Cologne to Munich I lost my service manual for this
>(old, but nice) rig. Does anybody - even outside Europe - has it?
>Costs for shipping aren't the problem ;-) 73 de Math, DL5ZBM

Maybe KD4SAI has it for download - you will find the URL via
www.radio-portal.org
Just search for IC-290

Regards,
Willi, DJ6JZ

1555. Re: TM-D700 + Garmin Street Pilot III

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-04 21:58:30 UTC
From: "D. Jacobs" <dju@nospam.com>
Message-ID: <9n8rku865iujgdd7f5md6knf7a5p7bqo7o@4ax.com>
Source record: 5778

Thanks for both of your help. After submitting my question, I even found another way to defeat it; by configuring the GPS protocol to use NMEA output and some other (RTCM?) format for input. But I like the waypoint setting better. I'm surprised I didn't see that or I must've had my mind in the wrong place when I was fiddling.

Thanks again,
Dave

P.S. no longer need to cut the wire !! :-)

On Thu, 01 Aug 2002 19:00:47 GMT, Bob Snyder
<rsnyder@toontown.erial.nj.us> wrote:

>D. Jacobs wrote:
>
>> The problem is that when an APRS packet arrives at the radio from
>> another station, the location of that station gets added to the list
>> of waypoints in my GPS. Most of the waypoints are other stations and
>> my own <manually programmed> waypoints are few in comparison.
>
>Turn off the waypoint feature on your D700. Menu 3-3.
>
>Alternatively, what I do with my eMap is to set the waypoints I set up with
>specialized icons, and the waypoints added by the D700 appear as squares. I
>can then erase all waypoints by icon, and my waypoints are safe.
>
>Bob N2KGO

1556. For Sale: Two TNC's plus other treasures

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-05 03:26:44 UTC
From: "Joe S." <joe@schlatter.org>
Message-ID: <aikrfl0lit@enews2.newsguy.com>
Source record: 5779

http://www.schlatter.org/hamgear.htm

--
- - -

Regards,
Joe S.
W4HH

1557. Re: For Sale: Two TNC's plus other treasures

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-05 04:02:21 UTC
From: "Joe S." <joe@schlatter.org>
Message-ID: <aikti9031jf@enews1.newsguy.com>
Source record: 5780

Correction: That's THREE TNC's for sale, one each:

-- AEA PK-12
-- Kantronics KPC-3
-- MFJ 1270B

http://www.schlatter.org/hamgear.htm

--
- - -

Regards,
Joe S.

"Joe S." <joe@schlatter.org> wrote in message
news:aikrfl0lit@enews2.newsguy.com...
> http://www.schlatter.org/hamgear.htm
>
>
> --
> - - -
>
> Regards,
> Joe S.
> W4HH
>
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>
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>
>

1558. need information for setting up a gateway

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-10 03:17:58 UTC
From: ve2ckn <gfillio1@globetrotter.net>
Message-ID: <GB%49.12169$gM.846534@charlie.risq.qc.ca>
Source record: 5782

hi all,i need help for setting up a gateway.
i dont hve adsl internet just via a modem.
i want to install a little gateway system via dial-up modem .i already have
an accompt at www.homeip.net

can someone help me,if it is possibel with jnos or tnos i dont know?
is it possible to install it with a cdrom and an INSTALL.EXE that would
help me in the process.
i have a tnc on the com1

thnaks for your help ,i appreacite

gervais fillion
ve2ckn@hotmail.com
node irlp 253

1559. 603 beam and tower 4sale

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-10 11:42:47 UTC
From: Jeff <j.dauphinais@worldnet.att.net>
Message-ID: <X_659.5757$Ke2.478020@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5783
Cross-posted to: rec.radio.amateur.digital.misc,rec.ham-radio.swap,rec.radio.amateur.antenna,rec.radio.amateur.dx

I have for sale 1 full size "HY-Gain" beam 10 meters. fully assembled for your inspection. 13' Boom and longest element is 22' $100.00 I also have a steel tower totaling 25'. this is in 3 sections 1 10 foot st8 and 1 5foot st8 and 1 10 foot top section. I don't not have a rotator. $50.00. pickup only from Nashua,NewHampshire. I am selling these because they are to big for my new QTH. This beam has spent a large portion of its life in storage. 73's Jeff AA1GR

1560. Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-12 16:51:54 UTC
From: karel vanderkerken <karelvdk@freegates.be>
Message-ID: <3d57e7ac$0$194$ba620e4c@news.skynet.be>
Source record: 5784
Cross-posted to: alt.ham-radio.vhf-uhf,alt.radio-shack,rec.radio.amateur,rec.radio.amateur.digital,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

Hi all,

Has anyone tried to work a TH D7 TNC with W2K as operating system on the computer ?
I always receive "Communication timeout error" as message. The comport is OK, I use it to connect to my TM D700. I've tried different control applications (link 7, MCP D7 v1.2, ...) but the message is always the same. I tried every setting I could think of ...

Any suggestions ?

73's

ON1VK

please reply to : ON1VK@QSL.NET

1561. Re: HELP: RadioShack HTX-252 and packet

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-12 19:12:20 UTC
From: William Robison <william-robison@uiowa.edu.com>
Message-ID: <3D580894.85B663BD@uiowa.edu.com>
Source record: 5785

AB2HR wrote:
>
> On 8 Aug 2002 12:37:21 -0700, mike@mbcomps.com (Michael Barron) wrote:
>
> >Hi folks,
> >
> >OK, so I finally got around to replacing my base station 2m rig. This
> >time it's a RadioShack HTX-252 25W mobile rig.
> >
> >
> >FWIW, I'm using a Kantronics KPC3+.
> >
> >Thanks in advance for your help!
> >Mike, N3XPF
>
> Mike,
> I believe this link has the info you are looking for...
> http://www.packetradio.com/!TNCables/KV2RSRJ45.jpg

I purchased the '252 for packet work and was very
disappointed with it's performance. As RS supplies the
rig it is, effectively, useless for packet. The
audio output is so frequency biased that I wasn't
able to use it for weak stations with any of the
TNC or soundcard's (weak being a transmitter that
wasn't sitting in the same room).
Finally got frustrated and ripped out the audio
amp and it began working reasonably well. (by removing
a cap from the PC board I was able to connect the
output of the discriminator to the earphone jack on
the back and bypass the audio/squelch altogether to
the TNC, the vol/sql then controlled only the speaker).

-Willy
KC0JFQ

1562. Re: need information for setting up a gateway

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-12 23:44:46 UTC
From: MS Bob <msbob@hotmail.com-edy>
Message-ID: <lfhgluovgap0l2mpr6vr0buufgg9553bho@4ax.com>
Source record: 5786

On Sat, 10 Aug 2002 03:17:58 GMT, "ve2ckn" <gfillio1@globetrotter.net>
wrote:

>hi all,i need help for setting up a gateway.
>i dont hve adsl internet just via a modem.
>i want to install a little gateway system via dial-up modem .i already have
>an accompt at www.homeip.net
>
>can someone help me,if it is possibel with jnos or tnos i dont know?
>is it possible to install it with a cdrom and an INSTALL.EXE that would
>help me in the process.
>i have a tnc on the com1

The information you need to know is at <http://www.ampr-gateways.org/>
Some of the contents are dated, but useful. Read "Setting up a Packet
Gateway" <http://www.ampr-gateways.org/newgate.html> and the Gateways
FAQ <http://www.ampr-gateways.org/Gateways-FAQ.html>.

The requirements are a static IP address, and a very strong preference
for a 24/7 Internet connection (via dialup modem is fine).

If you have a dynamic IP address with your dial-up modem, it cannot be
done without a lot of help from another machine that has a static IP
and a permanent connection. In which case that machine might as well
be the gateway.

I would recommend the use of Linux, many find it more powerful,
secure, flexible, and reliable than using a NOS. I look as existing
NOS setups as "legacy" and recommend any new station use Linux.

1563. APRS Email

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-13 02:22:02 UTC
From: "D. Jacobs" <dju@nospam.com>
Message-ID: <53rglu43h3o146sckacsmsjuo3emgvuuhb@4ax.com>
Source record: 5787

Is there still a system in place to make it possible for APRS stations to send email? I used to be able to send email to the name "EMAIL" in the APRS message header then the first text in the message was the email address.

But lately I tried that again and it doesn't seem to work any more.

Does anybody know whether there's still email available and also I am interested in learning if email can be sent to a APRS capable transceiver from the internet into my car TNC.

Thanks,
Dave

1564. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-13 07:39:54 UTC
From: "Bairn Reay"
Message-ID: <3d58b753$1_1@mk-nntp-1.news.uk.worldonline.com>
Source record: 5788
Cross-posted to:
alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

No, but I've tried to work an ABC XYZ 123 using a
Wizzo-Wazzo PQRS.

This is a Ham Radio NG, OM. If you want to talk
CB (Cheque Book) Radio, then uk.rec.radio.cb
would be more suitable for you/

karel vanderkerken <karelvdk@freegates.be> wrote in message
news:3d57e7ac$0$194$ba620e4c@news.skynet.be...
> Has anyone tried to work a TH D7 TNC with W2K as operating system on the
> computer ?
> I always receive "Communication timeout error" as message. The comport is
> OK, I use it to connect to my TM D700. I've tried different control
> applications (link 7, MCP D7 v1.2, ...) but the message is always the
same.
> I tried every setting I could think of ...

1565. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-13 09:11:08 UTC
From: W6DKN <w6dkn@qsl.net>
Message-ID: <M2469.14821$Ue7.11594@nwrddc02.gnilink.net>
Source record: 5789
Cross-posted to:
alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

> karel vanderkerken <karelvdk@freegates.be> wrote in message
> news:3d57e7ac$0$194$ba620e4c@news.skynet.be...
> > Has anyone tried to work a TH D7 TNC with W2K as operating system on
the
> > computer ?
> > I always receive "Communication timeout error" as message. The comport
is
> > OK, I use it to connect to my TM D700. I've tried different control
> > applications (link 7, MCP D7 v1.2, ...) but the message is always the
> same.
> > I tried every setting I could think of ...

If the application you are trying to use for TNC control is trying to
directly access the hardware port, then it won't work. W2K, like any
version of NT, is a protected kernel OS. Any app that needs hardware access
must request it via an OS API call.

73 de W6DKN

1566. Re: sstv for windows xp pro

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-13 09:19:20 UTC
From: Fred Zepp <jca1954@irpimus.com.au>
Message-ID: <3d58cfb9_1@news.iprimus.com.au>
Source record: 5790

You can't go wrong with MMSSTV, easy to find on the net - and it's
FREE !
"Vince & Vanessa" <vcl@sympatico.ca> wrote in message
news:Sxy19.3383$tY5.758652@news20.bellglobal.com...
> hi all can anyone tell me what is the best and easiest to use on
windows xp
> pro i have never use sstv and i would love to try it out but i
don't like
> dos based programs and thats why i am looking for help finding a
windows
> based program for sstv thanks to all of you please email me @
> ve3elb@hotmail.com
>
> Visit my webpage @ http://www3.sympatico.ca/vcl
> thanks again
>
>

1567. Re: APRS Email

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-13 11:20:09 UTC
From: "J. Duffy Beischel" <jduffy@zoomtown.com>
Message-ID: <ulht3oqmt8n93e@corp.supernews.com>
Source record: 5791

It still works that way....why it does not work for you is a bit puzzling.
Have you tried using PC-SAT to see if you can get a test message through?

"D. Jacobs" <dju@nospam.com> wrote in message
news:53rglu43h3o146sckacsmsjuo3emgvuuhb@4ax.com...
> Is there still a system in place to make it possible for APRS stations
> to send email? I used to be able to send email to the name "EMAIL" in
> the APRS message header then the first text in the message was the
> email address.
>
> But lately I tried that again and it doesn't seem to work any more.
>
> Does anybody know whether there's still email available and also I am
> interested in learning if email can be sent to a APRS capable
> transceiver from the internet into my car TNC.
>
> Thanks,
> Dave

1568. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-13 17:44:26 UTC
From: No SPam <me@873456.com>
Message-ID: <3D59457A.BFAC1790@873456.com>
Source record: 5792
Cross-posted to: alt.ham-radio.vhf-uhf,alt.radio-shack,rec.radio.amateur,rec.radio.amateur.digital,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

Reverse the recv and tx lines (2 & 3) on the serial interface between
the TH-D7 and the computer. These are diagrammed in a confusing way and
may be reversed.

Hyperterm should work - set 9600b. The TASCO message should come up
when you push the TNC button on the HT keypad. Be sure to push it twice
to get it out of APRS mode and into full TNC mode.

karel vanderkerken wrote:
>
> Hi all,
>
> Has anyone tried to work a TH D7 TNC with W2K as operating system on the
> computer ?
> I always receive "Communication timeout error" as message. The comport is
> OK, I use it to connect to my TM D700. I've tried different control
> applications (link 7, MCP D7 v1.2, ...) but the message is always the same.
> I tried every setting I could think of ...
>
> Any suggestions ?
>
> 73's
>
> ON1VK
>
> please reply to : ON1VK@QSL.NET

1569. Re: APRS Email

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-13 22:43:25 UTC
From: "D. Jacobs" <dju@nospam.com>
Message-ID: <un2jlucesgd2e6jllqdov0gctv08nmi8vg@4ax.com>
Source record: 5793

Not lately, but since you indicated it should work, I might try some
more.

I just realized that I could look at APRS.ORG for answers too. I hope
to find a way to receive internet (via APRS) email too in my car.
Wouldn't that be cool??

Dave

On Tue, 13 Aug 2002 07:20:09 -0400, "J. Duffy Beischel"
<jduffy(nospam)@zoomtown.com> wrote:

>It still works that way....why it does not work for you is a bit puzzling.
>Have you tried using PC-SAT to see if you can get a test message through?
>
>"D. Jacobs" <dju@nospam.com> wrote in message
>news:53rglu43h3o146sckacsmsjuo3emgvuuhb@4ax.com...
>> Is there still a system in place to make it possible for APRS stations
>> to send email? I used to be able to send email to the name "EMAIL" in
>> the APRS message header then the first text in the message was the
>> email address.
>>
>> But lately I tried that again and it doesn't seem to work any more.
>>
>> Does anybody know whether there's still email available and also I am
>> interested in learning if email can be sent to a APRS capable
>> transceiver from the internet into my car TNC.
>>
>> Thanks,
>> Dave
>

1570. Re: APRS Email

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-14 00:42:22 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <OHh69.10510$Ke2.915526@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5794

Cool!
Can I email you an MP3 of the new Brittany song?
How about a picture of my cat?
Or more on point: the map that shows how to get to my house.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"D. Jacobs" <dju@nospam.com> wrote in message
news:un2jlucesgd2e6jllqdov0gctv08nmi8vg@4ax.com...
> Not lately, but since you indicated it should work, I might try some
> more.
>
> I just realized that I could look at APRS.ORG for answers too. I hope
> to find a way to receive internet (via APRS) email too in my car.
> Wouldn't that be cool??
>
> Dave
>
>
> On Tue, 13 Aug 2002 07:20:09 -0400, "J. Duffy Beischel"
> <jduffy(nospam)@zoomtown.com> wrote:
>
> >It still works that way....why it does not work for you is a bit puzzling.
> >Have you tried using PC-SAT to see if you can get a test message through?
> >
> >"D. Jacobs" <dju@nospam.com> wrote in message
> >news:53rglu43h3o146sckacsmsjuo3emgvuuhb@4ax.com...
> >> Is there still a system in place to make it possible for APRS stations
> >> to send email? I used to be able to send email to the name "EMAIL" in
> >> the APRS message header then the first text in the message was the
> >> email address.
> >>
> >> But lately I tried that again and it doesn't seem to work any more.
> >>
> >> Does anybody know whether there's still email available and also I am
> >> interested in learning if email can be sent to a APRS capable
> >> transceiver from the internet into my car TNC.
> >>
> >> Thanks,
> >> Dave

> >
>

1571. Advice WTD: Cheap radio for APRS car tracking

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-14 19:20:24 UTC
From: mus5mk2ly001@sneakemail.com
Message-ID: <a1385921.0208141120.74e945db@posting.google.com>
Source record: 5795

I am looking into APRS as a way to track my car in case it is stolen.
Have found lots of advice about GPS and TNCs, but not the radio.
There are plenty of bells and whistles that I don't need. Can anyone
recommend something cheap with the bare minimum of features? Or maybe
something that crops up on Ebay commonly for cheap that would do the
trick. Please note, I am completely new to ham radio.

Thanks in advance,
Lee

1572. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-14 20:55:17 UTC
From: Edwin Alexander <edwin@cox-internet.com>
Message-ID: <ullgtlcr9aeef8@corp.supernews.com>
Source record: 5796
Cross-posted to:
alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

My elmer has a problem with a computer application (a TNC programmer) trying to directly access the hardware in his Windows-based system (a serial port), and we solved the problem by creating a DOS boot disk. Also, if you run Win95, Win98, or WinME then you can boot into "Command Prompt Only" mode. I'm unsure as to whether Win2000 or WinXP has this feature, despite the fact that I use XP myself. Just never checked, I guess.

If you run Win2000 or WinXP, just create a boot floppy for another operating system. If you have FAT16-formatted partitions on your hard drive then DOS on a floppy should be able to recognize them, possibly with the use of some device drivers in a config.sys file.

Incidentally, I'm not certain if Mr Reay was well-intentioned or sarcastic, but it's quite obvious what the original poster meant. Anyone current with HTs would recognize a THD7 as a rather nice Kenwood handie-talkie, and a TNC should be obvious as a terminal node controller to any licensed ham.

Hope the alternate solution helps you out!

Regards,
Edwin Alexander KS5D

"W6DKN" <w6dkn@qsl.net> wrote in message
news:M2469.14821$Ue7.11594@nwrddc02.gnilink.net...
> > karel vanderkerken <karelvdk@freegates.be> wrote in message
> > news:3d57e7ac$0$194$ba620e4c@news.skynet.be...
> > > Has anyone tried to work a TH D7 TNC with W2K as operating system on
> the
> > > computer ?
> > > I always receive "Communication timeout error" as message. The
compport
> is
> > > OK, I use it to connect to my TM D700. I've tried different control
> > > applications (link 7, MCP D7 v1.2, ...) but the message is always the
> > same.
> > > I tried every setting I could think of ...
>
> If the application you are trying to use for TNC control is trying to
> directly access the hardware port, then it won't work. W2K, like any
> version of NT, is a protected kernel OS. Any app that needs hardware
access
> must request it via an OS API call.
>
> 73 de W6DKN

>
>

1573. FS: Belden 9913....

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-15 00:21:52 UTC
From: Nadine Hamon <nhpd@sympatico.ca>
Message-ID: <6uC69.4393$%R5.1134565@news20.bellglobal.com>
Source record: 5797
Cross-posted to: rec.radio.amateur.boatanchors,rec.radio.amateur.digital.misc,rec.radio.amateur.dx

I have a lots of cable for sale

Belden 9913
Equivalent to belden 9913
RG8X
All kind of other coax cables and much more....

In Montreal, Canada, can ship anywhere in North America

Email me with any request you have, I have access to anything at a very very
low price

Thanks
Nad

1574. Re: Advice WTD: Cheap radio for APRS car tracking

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-15 02:16:18 UTC
From: "Joe S." <joe@schlatter.org>
Message-ID: <ajf32m08bm@enews3.newsguy.com>
Source record: 5798

Why not find an old handheld and get a 12-volt automobile adapter for it.
Check out my APRS stand-alone tracker here:

http://www.schlatter.org/aprsmobile.htm

--

Regards,
Joe S.

"Lee" <mus5mk2ly001@sneakemail.com> wrote in message
news:a1385921.0208141120.74e945db@posting.google.com...
> I am looking into APRS as a way to track my car in case it is stolen.
> Have found lots of advice about GPS and TNCs, but not the radio.
> There are plenty of bells and whistles that I don't need. Can anyone
> recommend something cheap with the bare minimum of features? Or maybe
> something that crops up on Ebay commonly for cheap that would do the
> trick. Please note, I am completely new to ham radio.
>
> Thanks in advance,
> Lee

1575. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-15 03:00:25 UTC
From: Pete <news0206@toward.com>
Message-ID: <3D5B1949.39D86AC9@toward.com>
Source record: 5799
Cross-posted to: alt.ham-radio.vhf-uhf,rec.radio.amateur.digital,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

You might check your cabling -- a simple test would be to insert a null
modem adapter between your serial cable and the TH-D7.

73,
Pete

karel vanderkerken wrote:
>
> Hi all,
>
> Has anyone tried to work a TH D7 TNC with W2K as operating system on the
> computer ?
> I always receive "Communication timeout error" as message. The comport is
> OK, I use it to connect to my TM D700. I've tried different control
> applications (link 7, MCP D7 v1.2, ...) but the message is always the same.
> I tried every setting I could think of ...
>
> Any suggestions ?
>
> 73's
>
> ON1VK
>
> please reply to : ON1VK@QSL.NET

1576. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-15 07:56:13 UTC
From: "Bairn Reay"
Message-ID: <3d5b5ed1$1_3@mk-nntp-1.news.uk.worldonline.com>
Source record: 5800
Cross-posted to:
alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

It was clear what I meant. The discussing of meaningless
model numbers, ABC123 XYZ in a PQRS mode is the
mark of the CBer and not of the Radio Ham.

Edwin Alexander <edwin@cox-internet.com> wrote in message
news:ullgtlcr9aeef8@corp.supernews.com...
> Incidentally, I'm not certain if Mr Reay was well-intentioned or
sarcastic,
> but it's quite obvious what the original poster meant. Anyone current
with
> HTs would recognize a THD7 as a rather nice Kenwood handie-talkie, and a
TNC
> should be obvious as a terminal node controller to any licensed ham.

1577. Re: Advice WTD: Cheap radio for APRS car tracking

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-15 09:11:59 UTC
From: Ian Wade <ian.wade@netro.co.uk>
Message-ID: <YP4LSsFfB3W9EwuJ@netro.co.uk>
Source record: 5701

In message <a1385921.0208141120.74e945db@posting.google.com>, Lee
<mus5mk2ly001@sneakemail.com> writes
>I am looking into APRS as a way to track my car in case it is stolen.
>Have found lots of advice about GPS and TNCs, but not the radio.
>There are plenty of bells and whistles that I don't need. Can anyone
>recommend something cheap with the bare minimum of features? Or maybe
>something that crops up on Ebay commonly for cheap that would do the
>trick. Please note, I am completely new to ham radio.
>
>Thanks in advance,
>Lee

Lee, rather than using ham radio, I would use a cell phone. In England
at least, stolen cars can be hundreds of miles away (and even shipped
overseas) within a matter of a few hours. The chances of successfully
phoning home via APRS would be virtually zero, whereas a cell phone
would work reliably over very long distances.

--
73
Ian, G3NRW

1578. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-15 09:45:33 UTC
From: Howard Long <howard@howardlongxxx.com>
Message-ID: <ajft7tcoq1@paris.btinternet.com>
Source record: 5702
Cross-posted to:
alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

Hello W6DKN

> If the application you are trying to use for TNC control is trying to
> directly access the hardware port, then it won't work. W2K, like any
> version of NT, is a protected kernel OS. Any app that needs hardware
access
> must request it via an OS API call.

As you say, you cannot write a Win32 application for use in NT/2K/XP which will successfully write directly to a hardware port (x86 IN and OUT instructions) in user mode. It will generate an exception.

If the application is an MS-DOS app, under NT, 2000 and XP the UART IN/OUT instructions are intercepted with a trap and have code to attempt to re-emulate the COM port using a Virtual Device Driver (not to be confused with VXD which is a Win 3.x, 9x & ME term). Works sometimes, not others, in particular regarding heavily used interrupt driven applications as these can often be timing sensitive: these traps are expensive in CPU terms.

It will even let some MS-DOS programs access a USB Serial port if you're really lucky.

Windows 3.x [enhanced mode], 9x & ME use a different method and simply map most I/O reads & writes straight through to the hardware.

As an example, I often use the InstantTune Doppler correction facility which is a DOS TSR under Windows 2000 and this works fairly well.

I'd suggest that either the cable isn't right or a handshake line at the PC end isn't properly connected. Either way, the use of a terminal emulator (such as Hyperterminal, but I prefer TeraTerm Pro) and investment in an LED RS-232 status box invariably resolves these problems rapidly.

73 Howard G6LVB

1579. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-15 15:39:07 UTC
From: Mark Waldron <mark@cybermechanica.com>
Message-ID: <3d5bcb69$1_2@nopics.sjc>
Source record: 5703
Cross-posted to:
alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

This bit of tutelage coming from someone who uses:
NG
OM
CB
in his post? How dare you?!?! Oh, wait....let's see:

NG- anyone on Usenet more than an hour knows this.
OM - anyone involved in HAM radio more than a day knows this.
CB - anyone not living under a rock for the past 30 years knows this.

Moreover, most operators involved with digital comms knows what
a *GASP* TH-D7A is, comm software version numbers, let alone a TNC!
W2K? What, are you running CP/M on a Kaypro?

The original poster stated very clearly what he was asking, UNLESS
you are a CBer!

(Oooops....better spell this out....by 'CBer' I mean a carbon-based hominid
lifeform from the planet Earth* partaking in reception or transmission of
radio
frequency energy currently appropriated to the Citizen's Band radio
spectrum.)

*Earth - Third planet from the only star in the Sun solar system, Cygnus
spur
of the Orion arm of the Milky Way galaxy, sister to Andromeda.

Clear enough, OM?

Next time, run a search on the acronyms and /or model numbers YOU are
unfamiliar with. Then, you may partially elevate yourself above the CB
mentality.*

*CB mentality - be ignorant, speak like you're the authority, repeat ad
nauseum.

"Bairn Reay" <@> wrote in message
news:3d5b5ed1$1_3@mk-nntp-1.news.uk.worldonline.com...
> It was clear what I meant. The discussing of meaningless
> model numbers, ABC123 XYZ in a PQRS mode is the
> mark of the CBer and not of the Radio Ham.
>
> Edwin Alexander <edwin@cox-internet.com> wrote in message
> news:ullgtlcr9aeef8@corp.supernews.com...
> > Incidentally, I'm not certain if Mr Reay was well-intentioned or

> sarcastic,
> > but it's quite obvious what the original poster meant. Anyone current
> with
> > HTs would recognize a THD7 as a rather nice Kenwood handie-talkie, and a
> TNC
> > should be obvious as a terminal node controller to any licensed ham.
>
>
>

1580. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-15 16:07:12 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <QkQ69.13479$Ep6.1080112@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5704
Cross-posted to:
alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

Do a Google search on "DirectIO" and then follow some
of the links. There are several products, a few shareware,
that emulate a hardware serial port to the application, and
use the Win NT (2000, XP) API calls to actually talk to
the port. Some of them even work :-) None that I've found
will support applications that need access to the system timer
interrupt though. One claims to do so, but fails to work.
Many packet applications hook the timer interrupt as well
as the COM port hardware interrupts. Those won't work
on Win NT (2000, XP) at all.

My own solution is to keep a DOS machine and a Win 98SE
machine around. The computers are junkers I got for free.
They are on the house network.

Now I can run any of the older software ...

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"Howard Long" <howard@howardlongxxx.com> wrote in message
news:ajft7tcoq1@paris.btinternet.com...
> Hello W6DKN
>
> > If the application you are trying to use for TNC control is trying to
> > directly access the hardware port, then it won't work. W2K, like any
> > version of NT, is a protected kernel OS. Any app that needs hardware
> access
> > must request it via an OS API call.
>
> As you say, you cannot write a Win32 application for use in NT/2K/XP which
> will successfully write directly to a hardware port (x86 IN and OUT
> instructions) in user mode. It will generate an exception.
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> If the application is an MS-DOS app, under NT, 2000 and XP the UART IN/OUT
> instructions are intercepted with a trap and have code to attempt to
> re-emulate the COM port using a Virtual Device Driver (not to be confused
> with VXD which is a Win 3.x, 9x & ME term). Works sometimes, not others, in
> particular regarding heavily used interrupt driven applications as these can
> often be timing sensitive: these traps are expensive in CPU terms.

>
> It will even let some MS-DOS programs access a USB Serial port if you're
> really lucky.
>
> Windows 3.x [enhanced mode], 9x & ME use a different method and simply map
> most I/O reads & writes straight through to the hardware.
>
> As an example, I often use the InstantTune Doppler correction facility which
> is a DOS TSR under Windows 2000 and this works fairly well.
>
> I'd suggest that either the cable isn't right or a handshake line at the PC
> end isn't properly connected. Either way, the use of a terminal emulator
> (such as Hyperterminal, but I prefer TeraTerm Pro) and investment in an LED
> RS-232 status box invariably resolves these problems rapidly.
>
> 73 Howard G6LVB
>
>

1581. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-15 17:29:40 UTC
From: "Bairn Reay"
Message-ID: <3d5be4ab_2@mk-nntp-1.news.uk.worldonline.com>
Source record: 5705
Cross-posted to:
alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

Stupid boy.

There is a big difference between using jargon and
quoting meaningless commercial products in CB (Cheque Book)
fashion. _REAL_ Radio Hams manufacture their own rigs and
take to the writing of software like a duck to water. CBers buy
everything off the shelf and then get confused when they don't have
sufficient technical acumen to sort out problems in their off-the-shelf
gear.

Mark Waldron <mark@cybermechanica.com> wrote in message
news:3d5bcb69$1_2@nopics.sjc...
> This bit of tutelage coming from someone who uses:
> NG
> OM
> CB
> in his post? How dare you?!?! Oh, wait....let's see:
>
> NG- anyone on Usenet more than an hour knows this.
> OM - anyone involved in HAM radio more than a day knows this.
> CB - anyone not living under a rock for the past 30 years knows this.
>
> Moreover, most operators involved with digital comms knows what
> a *GASP* TH-D7A is, comm software version numbers, let alone a TNC!
> W2K? What, are you running CP/M on a Kaypro?
>
> The original poster stated very clearly what he was asking, UNLESS
> you are a CBer!
>
> (Oooops....better spell this out....by 'CBer' I mean a carbon-based
hominid
> lifeform from the planet Earth* partaking in reception or transmission of
> radio
> frequency energy currently appropriated to the Citizen's Band radio
> spectrum.)
>
> *Earth - Third planet from the only star in the Sun solar system, Cygnus
> spur
> of the Orion arm of the Milky Way galaxy, sister to Andromeda.
>
> Clear enough, OM?
>
> Next time, run a search on the acronyms and /or model numbers YOU are

> unfamiliar with. Then, you may partially elevate yourself above the CB
> mentality.*
>
> *CB mentality - be ignorant, speak like you're the authority, repeat ad
> nauseum.
>
>
>
> "Bairn Reay" <@> wrote in message
> news:3d5b5ed1$1_3@mk-nntp-1.news.uk.worldonline.com...
> > It was clear what I meant. The discussing of meaningless
> > model numbers, ABC123 XYZ in a PQRS mode is the
> > mark of the CBer and not of the Radio Ham.
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> > Edwin Alexander <edwin@cox-internet.com> wrote in message
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> > > Incidentally, I'm not certain if Mr Reay was well-intentioned or
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> > > HTs would recognize a THD7 as a rather nice Kenwood handie-talkie, and
a
> > TNC
> > > should be obvious as a terminal node controller to any licensed ham.
> >
> >
> >
>
>

1582. Re: Blende und Belichtungszeit bei Digitalcameras

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-15 17:49:45 UTC
From: Erhart von Ammon <erhart.von.ammon@bluewin.ch>
Message-ID: <3D5BE9B9.1030807@bluewin.ch>
Source record: 5706
Cross-posted to: de.alt.rec.digitalfotografie,rec.photo.digital,rec.radio.amateur.digital.misc

Raik Hoffmann wrote:

>Hallo,
>
>ich will mir eine Digitalcamera holen.
>Kï¿½nnt ihr mir da etwas empfehlen?
>
>Ich hatte mir die Sony DSC-P5 oder DSC-P9 angeschaut und die haben mir
>wirklich gut gefallen.
>Allerdings ist bei denen Blende und Belichtungszeit nur automatisch. :-(
>Die P9 hat immerhin noch 4 wï¿½hlbare Programme dafï¿½r.
>Aber wenn man grad in der Dï¿½mmerung etwas experimentieren will - geht das
>mit diesen Kameras?
>
>Kann mir da jemand empfehlen, ob ich da lieber die Hï¿½nde davon lassen soll?
>Und welche Kameras hï¿½tten manuell einstellbare Blende und Belichtungszeit
>und sind empfehlenswert?
>
>Vielen Dank fï¿½r eure Tips,
>Raik
>
>
>
>
>
Hallo,

ich wï¿½rde empfehlen eine (gebrauchte) aber vom Handling immer noch
Top-Aktuelle
3.34 MPixel Kamera wie die Nikon Coolpix 990 zu kaufen. Preis bei ebay etwa
350 - 450 Euro, kann auch in USA bestellt werden 350 - 450 $.
Die neue Coolpix 4500 hat ein kleineres Display, allerdings
Top-Motivprogramme,
die man als Halb-Profi natï¿½rlich verabscheut ... ;-)) aber dann gerne
benutzt wenn
sie so gut sind wie hier.

Vorteile Coolpix:

- viele manuelle Einstellungen (Schï¿½rfe/Belichtung/Blitz ...)
- Sehr guter Algorithmus fï¿½r den Chip (kaum Unterschiedc zu anderen 4.0
MPixel)
- Mit dem drehbaren Objektiv optimale Handhabung auch in ungewï¿½hnlichen
Aufnahmesituationen ...

- Zubehï¿½rprogramm auch bei der neuesten Coolpix 4500 fast unverï¿½ndert, d.h. viel Zubehï¿½r wie Objektive/Konverter, Kabel, Blitzschiene etc. sind in grosser Zahl verfï¿½gbar

Alles das, was die Sony P... nicht kï¿½nnen, kï¿½nnen die Coolpix mehr .

Gruss
E.rhart

1583. Re: Advice WTD: Cheap radio for APRS car tracking

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-15 18:36:13 UTC
From: Rich <rich@iwantnospam.com>
Message-ID: <slrnalnt6i.2f9.rich@zippy.aa2ys.ampr.org>
Source record: 5707

On Thu, 15 Aug 2002 10:11:59 +0100, Ian Wade <ian.wade@netro.co.uk> wrote:
> In message <a1385921.0208141120.74e945db@posting.google.com>, Lee
><mus5mk2ly001@sneakemail.com> writes
>>I am looking into APRS as a way to track my car in case it is stolen.
>>Have found lots of advice about GPS and TNCs, but not the radio.
>>There are plenty of bells and whistles that I don't need. Can anyone
>>recommend something cheap with the bare minimum of features? Or maybe
>>something that crops up on Ebay commonly for cheap that would do the
>>trick. Please note, I am completely new to ham radio.
>>
>>Thanks in advance,
>>Lee
>
> Lee, rather than using ham radio, I would use a cell phone. In England
> at least, stolen cars can be hundreds of miles away (and even shipped
> overseas) within a matter of a few hours. The chances of successfully
> phoning home via APRS would be virtually zero, whereas a cell phone
> would work reliably over very long distances.

Yes, but The World is a Very Big Place. There are areas in the US
where you'd be hard pressed to find anywhere that *isn't* covered by
an APRS digi. In those areas, using APRS as a poor-man's LoJack
makes perfect sense.

Obviously, if you're in the middle of the Mojave desert, that
could be another story.

Personally, I used APRS just as a convenience for myself and
my family. Any assistance it could provide in tracking someone
who wants to steal a 13 year old car would just be icing on the
cake.

- Rich

1584. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-15 18:36:34 UTC
From: Mark Waldron <mark@cybermechanica.com>
Message-ID: <3d5bf502_1@nopics.sjc>
Source record: 5708
Cross-posted to:
alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

TROLL! Now, where'd I put my 12 guage loaded with
troll shot?!? :)

"Stupid boy"? Surely, you jest.

S'matter, OM? World passing you by, and all you can do
is piss on it out of spite?

His "jargon" was right in line with his question, fool. Simply
because is sounds like gobbledygook to *YOU* does not
mean it is "meaningless", as you are so inclined to say.

It was chock FULL of meaning to any HAM who deals with
digital communications. To a "stupid boy", it is meaningless.
(That's your cue!) Enter Bairn Reay, stage left.

Now you know where and who you are. A true CBer. All
mouth, no brains. :)

As far as "manufacture their own rigs", well, bucko, show me
YOUR waferfab and SMD assembly facility. Also, please
demonstrate to the NG your "sufficient technical acumen" to
code the logic into those EEPROMS, PROMS, processors,
etc.

Show us your "homebrew" rig with built-in TNC.
Show us your "homebrew" DTE device to gain terminal access
to such devices.
Show us your "homebrew" firmware that controls such devices.
Show us how you wrote it without the use of any COTS items.
Show us how you mined your own heavy metals used in your
personal facility to create such devices.

This software that you "take to writing like ducks to water"...ummm,
was this written on a "homebrew" machine? The language it was
written in, did you create it? The devices the code was stored on,
were they created out of personally mined iron ore?

You ain't real, fool.

There's a LOT more to HAM radio than just being an old fart
who thinks "his way" is the only way. Hitler was one of those
types. Your folks should be so proud.

Time to go change your Depends Undergarments. The stench has
whazzed your brain.

PS to NG: Pardon my divergence from the "no feeding the trolls" sign. :)

"Bairn Reay" <@> wrote in message
news:3d5be4ab_2@mk-nntp-1.news.uk.worldonline.com...
> Stupid boy.
>
> There is a big difference between using jargon and
> quoting meaningless commercial products in CB (Cheque Book)
> fashion. _REAL_ Radio Hams manufacture their own rigs and
> take to the writing of software like a duck to water. CBers buy
> everything off the shelf and then get confused when they don't have
> sufficient technical acumen to sort out problems in their off-the-shelf
> gear.
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> Mark Waldron <mark@cybermechanica.com> wrote in message
> news:3d5bcb69$1_2@nopics.sjc...
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> > a *GASP* TH-D7A is, comm software version numbers, let alone a TNC!
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> > The original poster stated very clearly what he was asking, UNLESS
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> > (Oooops....better spell this out....by 'CBer' I mean a carbon-based
> hominid
> > lifeform from the planet Earth* partaking in reception or transmission
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> > radio
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> > spectrum.)
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> > *Earth - Third planet from the only star in the Sun solar system, Cygnus
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> > of the Orion arm of the Milky Way galaxy, sister to Andromeda.
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> > Clear enough, OM?
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> > Next time, run a search on the acronyms and /or model numbers YOU are
> > unfamiliar with. Then, you may partially elevate yourself above the CB
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> > nauseum.
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> > > model numbers, ABC123 XYZ in a PQRS mode is the
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> > > Edwin Alexander <edwin@cox-internet.com> wrote in message
> > > news:ullgtlcr9aeef8@corp.supernews.com...
> > > > Incidentally, I'm not certain if Mr Reay was well-intentioned or
> > > sarcastic,
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> > > with
> > > > HTs would recognize a THD7 as a rather nice Kenwood handie-talkie,
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> a
> > > TNC
> > > > should be obvious as a terminal node controller to any licensed ham.
> > >
> > >
> > >
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>
>
>

1585. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-15 20:14:42 UTC
From: Howard Long <howard@howardlongxxx.com>
Message-ID: <ajh23i$b2q$1@helle.btinternet.com>
Source record: 5709
Cross-posted to:
alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

Hello Hank

> that emulate a hardware serial port to the application, and
> use the Win NT (2000, XP) API calls to actually talk to

Yes, these are all device drivers operating in kernel mode with a Win32 user mode API.

I first used one of these a couple of years ago with some mods I wrote for WispDDE to make it work with some parallel port devices under NT, which has since been documented with the application for quite some time.

I was very careful to specify that:

> > you cannot write a Win32 application for use in NT/2K/XP which
> > will successfully ***write directly*** to a hardware port (x86 IN and OUT
> > instructions) in ***user mode***. It will generate an exception.

> None that I've found
> will support applications that need access to the system timer
> interrupt though. One claims to do so, but fails to work.
> Many packet applications hook the timer interrupt as well
> as the COM port hardware interrupts. Those won't work
> on Win NT (2000, XP) at all.

Yes if someone's managed to write a Win32 app that tries to access the IN/OUT instructions directly it won't work, but 16 bit apps might work if you're lucky using the NTVDM. InstantTune, for example, works and uses the system timer and interrupt driven UART extensively.

> My own solution is to keep a DOS machine and a Win 98SE
> machine around.

Yes, I do the same, but it's not very convenient! BTW, DOS apps dependent on the system timer in W9x will loose ticks when not in the foreground even without suspend set.

73 Howard G6LVB

1586. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-15 21:10:59 UTC
From: Fred Hambrecht <w4jle@charter.net>
Message-ID: <ulo67753dlmn54@corp.supernews.com>
Source record: 5710
Cross-posted to:
alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

Gheeeze!, and I thought I was a curmudgeon...

"Bairn Reay" <@> wrote in message
news:3d5b5ed1$1_3@mk-nntp-1.news.uk.worldonline.com...
> It was clear what I meant. The discussing of meaningless
> model numbers, ABC123 XYZ in a PQRS mode is the
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> > HTs would recognize a THD7 as a rather nice Kenwood handie-talkie, and a
> TNC
> > should be obvious as a terminal node controller to any licensed ham.
>
>
>

1587. Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-15 21:23:00 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <UYU69.1631$2T2.358057127@newssvr12.news.prodigy.com>
Source record: 5711

Is packet nearly over?

Nope, it's growing again, coming back bigger and better than ever.

Want to be part of that? Come see us at USPN.

http://www.uspacket.net

Check out the Links, the Library, browse the Networks, join in on one of the Forums, or use the Chat for a more personal discussion.

Tell us about your network!

Charles, N5PVL webmaster@uspacket.net

1588. Packet Radio to Internet Portal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-15 23:49:16 UTC
From: The Smith Family <wsbg@sympatico.ca>
Message-ID: <T3X69.5684$%R5.1420646@news20.bellglobal.com>
Source record: 5712

Picture this: an external USR 56k v92 modem connected to the COM port (or tty in Linux) of a box running your favorite BBS package and having it work well as it does right now.
Now picture: an external TNC (sort of like a modem for the air waves) connected to the COM port (or tty in Linux) of a box running your favorite BBS package and have it work well serving not only dial-up phone connections, but connections from Packet Radio (a digital packet transfer ability with Amateur (HAM) Radio.

Both modems can use a com port, both can send signals indicating a connection has been made, and both are fairly similar. There are some things that would have to be added though (easily done) which would be the sending and receiving of "this is my identification letter and number block" which may even be able to be done through IEMSI and have IEMSI log the QSLs (radio identification numbers).

For those of you that don't know IEMSI is a way of programming your terminal program (ie. Terminate!) to automatically negotiate ones name, password, etc. It may not be applicable to your BBS software as it may not yet support it. But don't fret, it's not needed to bring in support for this.

Now for you sysops: Imagine this: You've got a sweet box running your favorite BBS software. It's connected to the Internet, you've got regular modem, and you've got a packet radio modem. Now you can have callers experience your BBS using telnet from anywhere around the world, you've got access for local folk via your phone modem, and you've now got people possibly connecting from areas so far around the world with their radio modems. Wouldn't that be cool. You're last user lister could list people from almost anywhere, and also list their method of connection whether it be by phone, telnet session, or radio modem. It'd be cool, huh? Now for the great stuff. Imagine that BBS software had PPP connect options so that people using HAM Packet Radio Modems or Phone System Modems could get on the internet:

A HAM to Internet portal, oh my! :)

Well if you can make it happen, why not? Try. Try hard.

1589. Re: Packet Radio to Internet Portal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-16 01:41:05 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <RKY69.13518$Ke2.1159990@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5713

Um ... the Land Line Lids have been doing this for years.

Instead why not imagine:

There is a disaster in your area, and telephones and cable are out.
So you set up your laptop and tnc at the local Red Cross shelter,
link to a packet node a few dozen miles away, and access the internet
across Ham Radio, just as if you had a (slow, 9600 baud) dialup modem.

We are doing exactly that in NW Oregon.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"The Smith Family" <wsbg@sympatico.ca> wrote in message
news:T3X69.5684$%R5.1420646@news20.bellglobal.com...
> Picture this: an external USR 56k v92 modem connected to the COM port (or
> tty in Linux) of a box running your favorite BBS package and having it work
> well as it does right now.
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> ability with Amateur (HAM) Radio.
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> things that would have to be added though (easily done) which would be the
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> For those of you that don't know IEMSI is a way of programming your terminal
> program (ie. Terminate!) to automatically negotiate ones name, password,
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> support it. But don't fret, it's not needed to bring in support for this.
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> Now for you sysops: Imagine this: You've got a sweet box running your
> favorite BBS software. It's connected to the Internet, you've got regular
> modem, and you've got a packet radio modem. Now you can have callers
> experience your BBS using telnet from anywhere around the world, you've got

> access for local folk via your phone modem, and you've now got people
> possibly connecting from areas so far around the world with their radio
> modems. Wouldn't that be cool. You're last user lister could list people
> from almost anywhere, and also list their method of connection whether it be
> by phone, telnet session, or radio modem. It'd be cool, huh? Now for the
> great stuff. Imagine that BBS software had PPP connect options so that
> people using HAM Packet Radio Modems or Phone System Modems could get on the
> internet:
>
> A HAM to Internet portal, oh my! :)
>
> Well if you can make it happen, why not? Try. Try hard.
>
>
>

1590. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-16 07:27:48 UTC
From: "Bairn Reay"
Message-ID: <3d5ca9d1_2@mk-nntp-1.news.uk.worldonline.com>
Source record: 5714
Cross-posted to:
alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

Stupid boy.

If you wish to contribute to the discussion, then do so.

Your response below makes you seem to be an
escapee from the school playground.

Grow up.

Mark Waldron <mark@cybermechanica.com> wrote in message
news:3d5bf502_1@nopics.sjc...
> TROLL! Now, where'd I put my 12 guage loaded with
> troll shot?!? :)
>
> "Stupid boy"? Surely, you jest.
>
> S'matter, OM? World passing you by, and all you can do
> is piss on it out of spite?
>
> His "jargon" was right in line with his question, fool. Simply
> because is sounds like gobbledygook to *YOU* does not
> mean it is "meaningless", as you are so inclined to say.
>
> It was chock FULL of meaning to any HAM who deals with
> digital communications. To a "stupid boy", it is meaningless.
> (That's your cue!) Enter Bairn Reay, stage left.
>
> Now you know where and who you are. A true CBer. All
> mouth, no brains. :)
>
> As far as "manufacture their own rigs", well, bucko, show me
> *YOUR* waferfab and SMD assembly facility. Also, please
> demonstrate to the NG your "sufficient technical acumen" to
> code the logic into those EEPROMS, PROMS, processors,
> etc.
>
> Show us your "homebrew" rig with built-in TNC.
> Show us your "homebrew" DTE device to gain terminal access
> to such devices.
> Show us your "homebrew" firmware that controls such devices.
> Show us how you wrote it without the use of any COTS items.
> Show us how you mined your own heavy metals used in your
> personal facility to create such devices.
>

> This software that you "take to writing like ducks to water"...ummm,
> was this written on a "homebrew" machine? The language it was
> written in, did you create it? The devices the code was stored on,
> were they created out of personally mined iron ore?
>
> You ain't real, fool.
>
> There's a LOT more to HAM radio than just being an old fart
> who thinks "his way" is the only way. Hitler was one of those
> types. Your folks should be so proud.
>
> Time to go change your Depends Undergarments. The stench has
> whazzed your brain.
>
> PS to NG: Pardon my divergence from the "no feeding the trolls" sign. :)
>
>
>
> "Bairn Reay" <@> wrote in message
> news:3d5be4ab_2@mk-nntp-1.news.uk.worldonline.com...
> > Stupid boy.
> >
> > There is a big difference between using jargon and
> > quoting meaningless commercial products in CB (Cheque Book)
> > fashion. _REAL_ Radio Hams manufacture their own rigs and
> > take to the writing of software like a duck to water. CBers buy
> > everything off the shelf and then get confused when they don't have
> > sufficient technical acumen to sort out problems in their off-the-shelf
> > gear.
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> >
> > Mark Waldron <mark@cybermechanica.com> wrote in message
> > news:3d5bcb69$1_2@nopics.sjc...
> > > This bit of tutelage coming from someone who uses:
> > > NG
> > > OM
> > > CB
> > > in his post? How dare you?!?! Oh, wait....let's see:
> > >
> > > NG- anyone on Usenet more than an hour knows this.
> > > OM - anyone involved in HAM radio more than a day knows this.
> > > CB - anyone not living under a rock for the past 30 years knows this.
> > >
> > > Moreover, most operators involved with digital comms knows what
> > > a *GASP* TH-D7A is, comm software version numbers, let alone a TNC!
> > > W2K? What, are you running CP/M on a Kaypro?
> > >
> > > The original poster stated very clearly what he was asking, UNLESS
> > > you are a CBer!
> > >

> > > (Oooops....better spell this out....by 'CBer' I mean a carbon-based
> > hominid
> > > lifeform from the planet Earth* partaking in reception or transmission
> of
> > > radio
> > > frequency energy currently appropriated to the Citizen's Band radio
> > > spectrum.)
> > >
> > > *Earth - Third planet from the only star in the Sun solar system,
Cygnus
> > > spur
> > > of the Orion arm of the Milky Way galaxy, sister to Andromeda.
> > >
> > > Clear enough, OM?
> > >
> > > Next time, run a search on the acronyms and /or model numbers YOU are
> > > unfamiliar with. Then, you may partially elevate yourself above the CB
> > > mentality.*
> > >
> > > *CB mentality - be ignorant, speak like you're the authority, repeat
ad
> > > nauseum.
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> > > "Bairn Reay" <@> wrote in message
> > > news:3d5b5ed1$1_3@mk-nntp-1.news.uk.worldonline.com...
> > > > It was clear what I meant. The discussing of meaningless
> > > > model numbers, ABC123 XYZ in a PQRS mode is the
> > > > mark of the CBer and not of the Radio Ham.
> > > >
> > > > Edwin Alexander <edwin@cox-internet.com> wrote in message
> > > > news:ullgtlcr9aeef8@corp.supernews.com...
> > > > > Incidentally, I'm not certain if Mr Reay was well-intentioned or
> > > > sarcastic,
> > > > > but it's quite obvious what the original poster meant. Anyone
> current
> > > > with
> > > > > HTs would recognize a THD7 as a rather nice Kenwood handie-talkie,
> and
> > a
> > > > > TNC
> > > > > should be obvious as a terminal node controller to any licensed
ham.
> > > > >
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1591. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-16 07:28:57 UTC
From: "Bairn Reay"
Message-ID: <3d5ca9d2$2_2@mk-nntp-1.news.uk.worldonline.com>
Source record: 5715
Cross-posted to:
alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

I think that you are right.

Fred Hambrecht <w4jle@charter.net> wrote in message
news:ulo67753dlmn54@corp.supernews.com...
> Gheeeze!, and I thought I was a curmudgeon...
>
>
> "Bairn Reay" <@> wrote in message
> news:3d5b5ed1$1_3@mk-nntp-1.news.uk.worldonline.com...
> > It was clear what I meant. The discussing of meaningless
> > model numbers, ABC123 XYZ in a PQRS mode is the
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> >
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1592. Re: Packet Radio to Internet Portal

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-16 08:13:45 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnalpd1p.bm7.nomail@linux.pe1chl.ampr.org>
Source record: 5716

The Smith Family <wsbg@sympatico.ca> wrote:
>Well if you can make it happen, why not? Try. Try hard.

Is this a challenge? What makes you think it does not exist yet? It does.

Rob
--
+--------------------------------+-------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+-------------------------------------+

1593. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-16 14:10:23 UTC
From: Mark Waldron <mark@cybermechanica.com>
Message-ID: <3d5d082a_2@nopics.sjc>
Source record: 5717
Cross-posted to:
alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

Riggggggghhhht....what's YOUR contribution?
An ignorant, mindless attack? Niiiiice!

Cut and run, Bairn, cut and run.....

Just as I suspected. You have nothing.

You have made no contributions, just attacks. I can
only assume this is how you run your life, and how
you act in HAM radio. You are a disgrace, and an
embarassment to the hobby. Loser.

"Bairn Reay" <@> wrote in message
news:3d5ca9d1_2@mk-nntp-1.news.uk.worldonline.com...
> Stupid boy.
>
> If you wish to contribute to the discussion, then do so.
>
> Your response below makes you seem to be an
> escapee from the school playground.
>
> Grow up.
>
> Mark Waldron <mark@cybermechanica.com> wrote in message
> news:3d5bf502_1@nopics.sjc...
> > TROLL! Now, where'd I put my 12 guage loaded with
> > troll shot?!? :)
> >
> > "Stupid boy"? Surely, you jest.
> >
> > S'matter, OM? World passing you by, and all you can do
> > is piss on it out of spite?
> >
> > His "jargon" was right in line with his question, fool. Simply
> > because is sounds like gobbledygook to *YOU* does not
> > mean it is "meaningless", as you are so inclined to say.
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> > It was chock FULL of meaning to any HAM who deals with
> > digital communications. To a "stupid boy", it is meaningless.
> > (That's your cue!) Enter Bairn Reay, stage left.
> >
> > Now you know where and who you are. A true CBer. All
> > mouth, no brains. :)
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> > As far as "manufacture their own rigs", well, bucko, show me
> > *YOUR* waferfab and SMD assembly facility. Also, please
> > demonstrate to the NG your "sufficient technical acumen" to
> > code the logic into those EEPROMS, PROMS, processors,
> > etc.
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> > Show us your "homebrew" rig with built-in TNC.
> > Show us your "homebrew" DTE device to gain terminal access
> > to such devices.
> > Show us your "homebrew" firmware that controls such devices.
> > Show us how you wrote it without the use of any COTS items.
> > Show us how you mined your own heavy metals used in your
> > personal facility to create such devices.
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> > This software that you "take to writing like ducks to water"...ummm,
> > was this written on a "homebrew" machine? The language it was
> > written in, did you create it? The devices the code was stored on,
> > were they created out of personally mined iron ore?
> >
> > You ain't real, fool.
> >
> > There's a LOT more to HAM radio than just being an old fart
> > who thinks "his way" is the only way. Hitler was one of those
> > types. Your folks should be so proud.
> >
> > Time to go change your Depends Undergarments. The stench has
> > whazzed your brain.
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> > > > NG- anyone on Usenet more than an hour knows this.
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> > > > Moreover, most operators involved with digital comms knows what
> > > > a *GASP* TH-D7A is, comm software version numbers, let alone a TNC!
> > > > W2K? What, are you running CP/M on a Kaypro?
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transmission
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> > > > *Earth - Third planet from the only star in the Sun solar system,
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1594. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-16 14:10:23 UTC
From: Mark Waldron <mark@cybermechanica.com>
Message-ID: <3d5d0a61_1@nopics.sjc>
Source record: 5718
Cross-posted to:
alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

Riggggggghhhht....what's YOUR contribution?
An ignorant, mindless attack? Niiiiice!

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> > TROLL! Now, where'd I put my 12 guage loaded with
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> > "Stupid boy"? Surely, you jest.
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> > S'matter, OM? World passing you by, and all you can do
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> > His "jargon" was right in line with his question, fool. Simply
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> > > > W2K? What, are you running CP/M on a Kaypro?
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> > > > The original poster stated very clearly what he was asking, UNLESS
> > > > you are a CBer!
> > > >
> > > > (Oooops....better spell this out....by 'CBer' I mean a carbon-based
> > > hominid
> > > > lifeform from the planet Earth* partaking in reception or
transmission
> > of
> > > > radio
> > > > frequency energy currently appropriated to the Citizen's Band radio
> > > > spectrum.)
> > > >
> > > > *Earth - Third planet from the only star in the Sun solar system,
> Cygnus
> > > > spur
> > > > of the Orion arm of the Milky Way galaxy, sister to Andromeda.
> > > >
> > > > Clear enough, OM?
> > > >
> > > > Next time, run a search on the acronyms and /or model numbers YOU
are
> > > > unfamiliar with. Then, you may partially elevate yourself above the
CB
> > > > mentality.*
> > > >
> > > > *CB mentality - be ignorant, speak like you're the authority, repeat
> ad
> > > > nauseum.
> > > >
> > > >
> > > >
> > > > "Bairn Reay" <@> wrote in message
> > > > news:3d5b5ed1$1_3@mk-nntp-1.news.uk.worldonline.com...
> > > > > It was clear what I meant. The discussing of meaningless
> > > > > model numbers, ABC123 XYZ in a PQRS mode is the
> > > > > mark of the CBer and not of the Radio Ham.
> > > > >

> > > > > Edwin Alexander <edwin@cox-internet.com> wrote in message
> > > > > news:ullgtlcr9aeef8@corp.supernews.com...
> > > > > > Incidentally, I'm not certain if Mr Reay was well-intentioned or
> > > > > sarcastic,
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1595. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-16 14:10:23 UTC
From: Mark Waldron <mark@cybermechanica.com>
Message-ID: <3d5d0d22$1_3@nopics.sjc>
Source record: 5719
Cross-posted to:
alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

Riggggggghhhht....what's YOUR contribution?
An ignorant, mindless attack? Niiiiice!

Cut and run, Bairn, cut and run.....

Just as I suspected. You have nothing.

You have made no contributions, just attacks. I can
only assume this is how you run your life, and how
you act in HAM radio. You are a disgrace, and an
embarassment to the hobby. Loser.

"Bairn Reay" <@> wrote in message
news:3d5ca9d1_2@mk-nntp-1.news.uk.worldonline.com...
> Stupid boy.
>
> If you wish to contribute to the discussion, then do so.
>
> Your response below makes you seem to be an
> escapee from the school playground.
>
> Grow up.
>
> Mark Waldron <mark@cybermechanica.com> wrote in message
> news:3d5bf502_1@nopics.sjc...
> > TROLL! Now, where'd I put my 12 guage loaded with
> > troll shot?!? :)
> >
> > "Stupid boy"? Surely, you jest.
> >
> > S'matter, OM? World passing you by, and all you can do
> > is piss on it out of spite?
> >
> > His "jargon" was right in line with his question, fool. Simply
> > because is sounds like gobbledygook to *YOU* does not
> > mean it is "meaningless", as you are so inclined to say.
> >
> > It was chock FULL of meaning to any HAM who deals with
> > digital communications. To a "stupid boy", it is meaningless.
> > (That's your cue!) Enter Bairn Reay, stage left.
> >
> > Now you know where and who you are. A true CBer. All
> > mouth, no brains. :)
> >

> > As far as "manufacture their own rigs", well, bucko, show me
> > *YOUR* waferfab and SMD assembly facility. Also, please
> > demonstrate to the NG your "sufficient technical acumen" to
> > code the logic into those EEPROMS, PROMS, processors,
> > etc.
> >
> > Show us your "homebrew" rig with built-in TNC.
> > Show us your "homebrew" DTE device to gain terminal access
> > to such devices.
> > Show us your "homebrew" firmware that controls such devices.
> > Show us how you wrote it without the use of any COTS items.
> > Show us how you mined your own heavy metals used in your
> > personal facility to create such devices.
> >
> > This software that you "take to writing like ducks to water"...ummm,
> > was this written on a "homebrew" machine? The language it was
> > written in, did you create it? The devices the code was stored on,
> > were they created out of personally mined iron ore?
> >
> > You ain't real, fool.
> >
> > There's a LOT more to HAM radio than just being an old fart
> > who thinks "his way" is the only way. Hitler was one of those
> > types. Your folks should be so proud.
> >
> > Time to go change your Depends Undergarments. The stench has
> > whazzed your brain.
> >
> > PS to NG: Pardon my divergence from the "no feeding the trolls" sign. :)
> >
> >
> >
> > "Bairn Reay" <@> wrote in message
> > news:3d5be4ab_2@mk-nntp-1.news.uk.worldonline.com...
> > > Stupid boy.
> > >
> > > There is a big difference between using jargon and
> > > quoting meaningless commercial products in CB (Cheque Book)
> > > fashion. _REAL_ Radio Hams manufacture their own rigs and
> > > take to the writing of software like a duck to water. CBers buy
> > > everything off the shelf and then get confused when they don't have
> > > sufficient technical acumen to sort out problems in their
off-the-shelf
> > > gear.
> > >
> > >
> > > Mark Waldron <mark@cybermechanica.com> wrote in message
> > > news:3d5bcb69$1_2@nopics.sjc...
> > > > This bit of tutelage coming from someone who uses:
> > > > NG

> > > > OM
> > > > CB
> > > > in his post? How dare you?!?! Oh, wait....let's see:
> > > >
> > > > NG- anyone on Usenet more than an hour knows this.
> > > > OM - anyone involved in HAM radio more than a day knows this.
> > > > CB - anyone not living under a rock for the past 30 years knows
this.
> > > >
> > > > Moreover, most operators involved with digital comms knows what
> > > > a *GASP* TH-D7A is, comm software version numbers, let alone a TNC!
> > > > W2K? What, are you running CP/M on a Kaypro?
> > > >
> > > > The original poster stated very clearly what he was asking, UNLESS
> > > > you are a CBer!
> > > >
> > > > (Oooops....better spell this out....by 'CBer' I mean a carbon-based
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1596. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-16 14:52:27 UTC
From: Mark Waldron <mark@cybermechanica.com>
Message-ID: <3d5d1206$1_2@nopics.sjc>
Source record: 5720
Cross-posted to:
alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

Looks like our beloved Bairn Reay is a pSyCh0paTh!

His postings are in accordance with numerous other user's
complaints about his abuse. See post below:

From: Slope Detect (slopedetect@hotmail.com)
Subject: Bairn Reay
Newsgroups: uk.radio.amateur

Date: 2002-08-07 05:07:36 PST

God this Gareth (Bairn Reay) is a waste of space.

Never even makes a mobile phone call. Has he even got a mobile phone?
Probably not. No point if no one wants to talk to him. Not even
Elisabeth!

Nothing our great country has ever done pleases him. Probably because
he doesn't know the history!

Slags off those who make sensible technical comment but never adds to
the thread himself- not surprising as he knows F*** about most things
it appears. Doesn't understand dBs, Slope Detection, antenna gain,
noise figure or temperature. Odd considering the noise he generates.

Can't get another job in the telecoms industry- hardly surprising.

Slags of CBers but lurks on the CB bands to talk to his CB mates. I
don't know any CBers but may be he is right- they are brain dead. Must
be to talk to him!

A software expert who doesn't know the correct name of a language he
has written programmes in or the fact this language is only used in
applications he couldn't have work on!

Hasn't got the ability to even hide his Newsclient so we can't see he
isn't using his own software.

What a waste of space- what did poor Elisabeth do to deserve him?

Was she driving the Landrover that hit him. Was she aiming for his
head?

73

"Bairn Reay" <@> wrote in message
news:3d5ca9d1_2@mk-nntp-1.news.uk.worldonline.com...

> Stupid boy.
>
> If you wish to contribute to the discussion, then do so.
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> escapee from the school playground.
>
> Grow up.
>

1597. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-16 14:52:27 UTC
From: Mark Waldron <mark@cybermechanica.com>
Message-ID: <3d5d1a40$1_3@nopics.sjc>
Source record: 5725
Cross-posted to:
alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

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1598. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-16 14:52:27 UTC
From: Mark Waldron <mark@cybermechanica.com>
Message-ID: <3d5d1d9c_1@nopics.sjc>
Source record: 5726
Cross-posted to:
alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

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1599. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-16 14:52:27 UTC
From: Mark Waldron <mark@cybermechanica.com>
Message-ID: <3d5d25d3$1_2@nopics.sjc>
Source record: 5727
Cross-posted to:
alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

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Newsgroups: uk.radio.amateur

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1600. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-16 14:52:27 UTC
From: Mark Waldron <mark@cybermechanica.com>
Message-ID: <3d5d2e17_2@nopics.sjc>
Source record: 5728
Cross-posted to:
alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

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1601. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-16 14:52:27 UTC
From: Mark Waldron <mark@cybermechanica.com>
Message-ID: <3d5d36af_2@nopics.sjc>
Source record: 5733
Cross-posted to:
alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

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1602. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-16 14:52:27 UTC
From: Mark Waldron <mark@cybermechanica.com>
Message-ID: <3d5d3f21_2@nopics.sjc>
Source record: 5734
Cross-posted to:
alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

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1603. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-16 14:52:27 UTC
From: Mark Waldron <mark@cybermechanica.com>
Message-ID: <3d5d475d$1_2@nopics.sjc>
Source record: 5736
Cross-posted to:
alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

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Probably not. No point if no one wants to talk to him. Not even
Elisabeth!

Nothing our great country has ever done pleases him. Probably because
he doesn't know the history!

Slags off those who make sensible technical comment but never adds to
the thread himself- not surprising as he knows F*** about most things
it appears. Doesn't understand dBs, Slope Detection, antenna gain,
noise figure or temperature. Odd considering the noise he generates.

Can't get another job in the telecoms industry- hardly surprising.

Slags of CBers but lurks on the CB bands to talk to his CB mates. I
don't know any CBers but may be he is right- they are brain dead. Must
be to talk to him!

A software expert who doesn't know the correct name of a language he
has written programmes in or the fact this language is only used in
applications he couldn't have work on!

Hasn't got the ability to even hide his Newsclient so we can't see he
isn't using his own software.

What a waste of space- what did poor Elisabeth do to deserve him?

Was she driving the Landrover that hit him. Was she aiming for his
head?

73

"Bairn Reay" <@> wrote in message
news:3d5ca9d1_2@mk-nntp-1.news.uk.worldonline.com...

> Stupid boy.
>
> If you wish to contribute to the discussion, then do so.
>
> Your response below makes you seem to be an
> escapee from the school playground.
>
> Grow up.
>

1604. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-16 14:52:27 UTC
From: Mark Waldron <mark@cybermechanica.com>
Message-ID: <3d5d4f97$1_3@nopics.sjc>
Source record: 5737
Cross-posted to:
alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

Looks like our beloved Bairn Reay is a pSyCh0paTh!

His postings are in accordance with numerous other user's
complaints about his abuse. See post below:

From: Slope Detect (slopedetect@hotmail.com)
Subject: Bairn Reay
Newsgroups: uk.radio.amateur

Date: 2002-08-07 05:07:36 PST

God this Gareth (Bairn Reay) is a waste of space.

Never even makes a mobile phone call. Has he even got a mobile phone?
Probably not. No point if no one wants to talk to him. Not even
Elisabeth!

Nothing our great country has ever done pleases him. Probably because
he doesn't know the history!

Slags off those who make sensible technical comment but never adds to
the thread himself- not surprising as he knows F*** about most things
it appears. Doesn't understand dBs, Slope Detection, antenna gain,
noise figure or temperature. Odd considering the noise he generates.

Can't get another job in the telecoms industry- hardly surprising.

Slags of CBers but lurks on the CB bands to talk to his CB mates. I
don't know any CBers but may be he is right- they are brain dead. Must
be to talk to him!

A software expert who doesn't know the correct name of a language he
has written programmes in or the fact this language is only used in
applications he couldn't have work on!

Hasn't got the ability to even hide his Newsclient so we can't see he
isn't using his own software.

What a waste of space- what did poor Elisabeth do to deserve him?

Was she driving the Landrover that hit him. Was she aiming for his
head?

73

"Bairn Reay" <@> wrote in message
news:3d5ca9d1_2@mk-nntp-1.news.uk.worldonline.com...

> Stupid boy.
>
> If you wish to contribute to the discussion, then do so.
>
> Your response below makes you seem to be an
> escapee from the school playground.
>
> Grow up.
>

1605. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-16 15:13:05 UTC
From: "Bairn Reay"
Message-ID: <3d5d1660$1_1@mk-nntp-1.news.uk.worldonline.com>
Source record: 5721
Cross-posted to:
alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

Stupid boy.

If you wish to contribute to the discussion, then do so.

Your response below makes you seem to be an
escapee from the school playground.

Grow up.

Mark Waldron <mark@cybermechanica.com> wrote in message
news:3d5d0d22$1_3@nopics.sjc...
> Riggggggghhhht....what's YOUR contribution?
> An ignorant, mindless attack? Niiiiice!
>
> Cut and run, Bairn, cut and run.....
>
> Just as I suspected. You have nothing.
>
> You have made no contributions, just attacks. I can
> only assume this is how you run your life, and how
> you act in HAM radio. You are a disgrace, and an
> embarassment to the hobby. Loser.

1606. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-16 15:13:23 UTC
From: "Bairn Reay"
Message-ID: <3d5d1661_1@mk-nntp-1.news.uk.worldonline.com>
Source record: 5722
Cross-posted to:
alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

Stupid boy.

If you wish to contribute to the discussion, then do so.

Your response below makes you seem to be an
escapee from the school playground.

Grow up.

Mark Waldron <mark@cybermechanica.com> wrote in message
news:3d5d0a61_1@nopics.sjc...
> Riggggggghhhht....what's YOUR contribution?
> An ignorant, mindless attack? Niiiiice!
>
> Cut and run, Bairn, cut and run.....
>
> Just as I suspected. You have nothing.
>
> You have made no contributions, just attacks. I can
> only assume this is how you run your life, and how
> you act in HAM radio. You are a disgrace, and an
> embarassment to the hobby. Loser.

1607. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-16 15:13:38 UTC
From: "Bairn Reay"
Message-ID: <3d5d1661$2_1@mk-nntp-1.news.uk.worldonline.com>
Source record: 5723
Cross-posted to:
alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

Stupid boy.

If you wish to contribute to the discussion, then do so.

Your response below makes you seem to be an
escapee from the school playground.

Grow up.

Mark Waldron <mark@cybermechanica.com> wrote in message
news:3d5d082a_2@nopics.sjc...
> Riggggggghhhht....what's YOUR contribution?
> An ignorant, mindless attack? Niiiiice!
>
> Cut and run, Bairn, cut and run.....
>
> Just as I suspected. You have nothing.
>
> You have made no contributions, just attacks. I can
> only assume this is how you run your life, and how
> you act in HAM radio. You are a disgrace, and an
> embarassment to the hobby. Loser.
>

1608. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-16 15:14:10 UTC
From: "Bairn Reay"
Message-ID: <3d5d1662$1_1@mk-nntp-1.news.uk.worldonline.com>
Source record: 5724
Cross-posted to:
alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

Stupid boy.

If you wish to contribute to the discussion, then do so.

Your response below makes you seem to be an
escapee from the school playground.

Grow up.

Mark Waldron <mark@cybermechanica.com> wrote in message
news:3d5d1206$1_2@nopics.sjc...
> Looks like our beloved Bairn Reay is a pSyCh0paTh!

1609. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-16 16:54:42 UTC
From: "Bairn Reay"
Message-ID: <3d5d2fae$1_3@mk-nntp-1.news.uk.worldonline.com>
Source record: 5729
Cross-posted to:
alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

The existence of other childish contributors does
not make your stance any less childish.

Grow up.

Mark Waldron <mark@cybermechanica.com> wrote in message
news:3d5d25d3$1_2@nopics.sjc...
> Looks like our beloved Bairn Reay is a pSyCh0paTh!

1610. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-16 16:56:16 UTC
From: "Bairn Reay"
Message-ID: <3d5d2faf_3@mk-nntp-1.news.uk.worldonline.com>
Source record: 5730
Cross-posted to:
alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

The existence of other childish contributors
to the NG does not make your own stance any less
childish.

The subject under discussion is the differentiation between
Ham Radio and CB. If you cannot contribute without resorting
to silly infantile jibes, then you would seem to wish to class
yourself with the CBers.

Mark Waldron <mark@cybermechanica.com> wrote in message
news:3d5d1d9c_1@nopics.sjc...
> Looks like our beloved Bairn Reay is a pSyCh0paTh!
>
> His postings are in accordance with numerous other user's
> complaints about his abuse. See post below:
>

1611. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-16 16:58:49 UTC
From: "Bairn Reay"
Message-ID: <3d5d2fb0_3@mk-nntp-1.news.uk.worldonline.com>
Source record: 5731
Cross-posted to:
alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

The existence of other childish contributors to
the NG does not make your stance any less
childish.

If you want to contribute to a discussion on the
differentiation between CB and Ham Radio, then
please do so without resorting to infantile personal remarks.
When you do that, you represent yourself in public as
a complete fool. That is your choice.

Stupid boy.
Grow up.

Mark Waldron <mark@cybermechanica.com> wrote in message
news:3d5d1a40$1_3@nopics.sjc...
> Looks like our beloved Bairn Reay is a pSyCh0paTh!
>
> His postings are in accordance with numerous other user's
> complaints about his abuse. See post below:

1612. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-16 17:07:49 UTC
From: "Bairn Reay"
Message-ID: <3d5d3102$1_2@mk-nntp-1.news.uk.worldonline.com>
Source record: 5732
Cross-posted to:
alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

The existence of childish contributors to this NG does not
make your stance any less childish. Please feel free to
contribute to this international forum in a manner more
appropriate to a mature individual.

Your current attitude and desperation to score
some point or other just makes you look silly.

Mark Waldron <mark@cybermechanica.com> wrote in message
news:3d5d2e17_2@nopics.sjc...
> Looks like our beloved Bairn Reay is a pSyCh0paTh!
>
> His postings are in accordance with numerous other user's
> complaints about his abuse. See post below:

1613. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-16 18:23:56 UTC
From: "Odd Erling N. Eriksen" <odderi@pvv.org>
Message-ID: <ajjfvsmjg1@tyfon.itea.ntnu.no>
Source record: 5735
Cross-posted to:
alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

In rec.radio.amateur.misc Bairn Reay <@> wrote:

> This is a Ham Radio NG, OM. If you want to talk
> CB (Cheque Book) Radio, then uk.rec.radio.cb
> would be more suitable for you/

-Ehem, I know feeding the trolls is a bad idea, but just can't help
myself: What is your callsign, mr. Reay? :-)

--
73 de LB1LF

Odd Erling, ARK

A)bort, R)etry, I)nfluence with large hammer.

1614. Re: Kenwood TH D7 TNC and windows 2000.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-16 23:46:21 UTC
From: PawPaw <PawPaw@granpa.com>
Message-ID: <h9g79.6872$LO1.568262@newsread2.prod.itd.earthlink.net>
Source record: 5738
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.amateur.misc,uk.radio.amateur

HAM= Huge Amounts of Money

CB= Check Book

"Bairn Reay" <@> wrote in message
news:3d5d2faf_3@mk-nntp-1.news.uk.worldonline.com...
> The existence of other childish contributors
> to the NG does not make your own stance any less
> childish.
>
>
> The subject under discussion is the differentiation between
> Ham Radio and CB. If you cannot contribute without resorting
> to silly infantile jibes, then you would seem to wish to class
> yourself with the CBers.
>
> Mark Waldron <mark@cybermechanica.com> wrote in message
> news:3d5d1d9c_1@nopics.sjc...
> > Looks like our beloved Bairn Reay is a pSyCh0paTh!
> >
> > His postings are in accordance with numerous other user's
> > complaints about his abuse. See post below:
> >
>
>
>
>

1615. Re: Advice WTD: Cheap radio for APRS car tracking

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-17 04:11:32 UTC
From: Paul N3EOP <n3eop@arrl.or.callsign.net>
Message-ID: <Xns926CD794AB6D5n3eophotmailcom@64.164.98.29>
Source record: 5739

mus5mk2ly001@sneakemail.com (Lee) wrote in
news:a1385921.0208141120.74e945db@posting.google.com:

> I am looking into APRS as a way to track my car in case it is stolen.
> Have found lots of advice about GPS and TNCs, but not the radio.
> There are plenty of bells and whistles that I don't need. Can anyone
> recommend something cheap with the bare minimum of features? Or maybe
> something that crops up on Ebay commonly for cheap that would do the
> trick. Please note, I am completely new to ham radio.

First, I'd check the local hamfests for any sort of 2m mobile rig.
Crystal controlled rigs are often under $20; a set of crystals is in the
$20 range. Other rigs (VFO controlled) are often in the $30-$100 range.

Word of warning, though; when looking for your first rig at a hamfest,
buddy up with someone who has been to several hamfests, and has a good
idea what to look for, and more importantly, what to avoid. I'd stay
away from commercial (business/public service band) radios until you're
more experienced, as there can be some major pitfalls for the
unsuspecting.

For new, my first thought was for the MFJ-8621X2 VHF Data radio already
on the national APRS frequency(144.390 Mhz). However, $160 for a 5 watt
rig (that doesn't even include a microphone) is a bit excessive,
especially since you can get the ADI AR-147 Plus (60 watts) for $150 at
HRO. (I have the older AR-146 as a dedicated packet rig in my shack,
and it works very well.)

1616. Re: Advice WTD: Cheap radio for APRS car tracking

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-17 09:13:00 UTC
From: Russell Hltn <reply@2newsgroup.com>
Message-ID: <ajl6qg$2mh$4@nntp-m01.news.aol.com>
Source record: 5740

With some mentoring, I'd say go bid on a used rig on eBay. Yeah,
there's stuff that's overpriced, but there's some good deals to be had
too. Not everyone has the opportunity to go to a good hamfest near
them very often.

"Paul N3EOP" <n3eop@arrl.or.callsign.net> wrote in message
news:Xns926CD794AB6D5n3eophotmailcom@64.164.98.29...
> mus5mk2ly001@sneakemail.com (Lee) wrote in
> news:a1385921.0208141120.74e945db@posting.google.com:
>
>
> First, I'd check the local hamfests for any sort of 2m mobile rig.
> Crystal controlled rigs are often under $20; a set of crystals is in
the
> $20 range. Other rigs (VFO controlled) are often in the $30-$100
range.
>
> Word of warning, though; when looking for your first rig at a
hamfest,
> buddy up with someone who has been to several hamfests, and has a
good
> idea what to look for, and more importantly, what to avoid. I'd
stay
> away from commercial (business/public service band) radios until
you're
> more experienced, as there can be some major pitfalls for the
> unsuspecting.

1617. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-17 14:26:16 UTC
From: Gary McAdams <g.m.mcadams@worldnet.att.net>
Message-ID: <c2t79.16198$Ke2.1348204@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5741

charlesb <n5pvl@sbcglobal.net> wrote in ...
> Is packet nearly over?
>
> Nope,

Packet is dead. Has been for years.

Killed by empire builders and buried by the internet.

Its descendants survive in small enclaves, but
they are mostly a curiosity, and die-hard hangers on
refuse to let it go.

Too bad, packet really looked good for a while.

73, Gary

1618. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-17 14:57:31 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <vvt79.16571$Ep6.1310317@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5742

"Gary McAdams" <g.m.mcadams@worldnet.att.net> wrote in message
news:c2t79.16198$Ke2.1348204@bgtnsc04-news.ops.worldnet.att.net...
>
> charlesb <n5pvl@sbcglobal.net> wrote in ...
> > Is packet nearly over?
> >
> > Nope,
>
> Packet is dead. Has been for years.
>
> Killed by empire builders and buried by the internet.
>
> Its descendants survive in small enclaves, but
> they are mostly a curiosity, and die-hard hangers on
> refuse to let it go.
>
> Too bad, packet really looked good for a while.
>
> 73, Gary

You seem to have forgotten about the emergency services folks.

Only packet can provide communications for the strategic data
emergency services requires.

Hams have failed to provide what is needed.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1619. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-17 17:14:27 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnalt13j.l13.nomail@linux.pe1chl.ampr.org>
Source record: 5744

Dianne & Brent <bromo@ix.netcom.com> wrote:
>On 8/17/02 6:57 AM, in article
>vvt79.16571$Ep6.1310317@bgtnsc05-news.ops.worldnet.att.net, "Hank Oredson"
><horedson@att.net> wrote:

>>
>> "Gary McAdams" <g.m.mcadams@worldnet.att.net> wrote in message
>> news:c2t79.16198$Ke2.1348204@bgtnsc04-news.ops.worldnet.att.net...
>>>
>>> charlesb <n5pvl@sbcglobal.net> wrote in ...
>>>> Is packet nearly over?
>>>>
>>>> Nope,
>>>
>>> Packet is dead. Has been for years.
>>>
>>> Killed by empire builders and buried by the internet.
>>>
>>> Its descendants survive in small enclaves, but
>>> they are mostly a curiosity, and die-hard hangers on
>>> refuse to let it go.
>>>
>>> Too bad, packet really looked good for a while.
>>>
>>> 73, Gary
>>
>> You seem to have forgotten about the emergency services folks.
>>
>> Only packet can provide communications for the strategic data
>> emergency services requires.
>>
>> Hams have failed to provide what is needed.

>And why should people pursuing a hobby make a service as comprehensive as
>one produced by people whose job it is to do that?

Also, isn't it a shame that in the country that tries to position itself as
the most powerful and richest nation in the world, radio communication in
case of emergencies is supposed to be handled by radio amateurs?

Over here, amateur radio is just a hobby and nothing more. Nobody is
expecting us to provide service in case of emergencies, although that has
happened a couple of times. Our packet network was never built to support
emergency operations, it is for a large part located on the same buildings
and powered from the same mains as the telecom and mobile telephone

networks are.

Still, it is falling apart because radio amateurs are no longer interested
in using and maintaining it (apart from a few diehards).
Most radio amateurs here are "communication amateurs" (i.e. not interested
in technical details, but just using equipment designed and built by
someone else). They now use Cable and ADSL Internet for what they used
to do with packet radio.

Rob
--
+---------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+---------------------------------+--------------------------------------+

1620. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-17 17:56:22 UTC
From: Dianne & Brent <bromo@ix.netcom.com>
Message-ID: <B983CE45.4E83%bromo@ix.netcom.com>
Source record: 5743

On 8/17/02 6:57 AM, in article
vvt79.16571$Ep6.1310317@bgtnsc05-news.ops.worldnet.att.net, "Hank Oredson"
<horedson@att.net> wrote:

>
> "Gary McAdams" <g.m.mcadams@worldnet.att.net> wrote in message
> news:c2t79.16198$Ke2.1348204@bgtnsc04-news.ops.worldnet.att.net...
>>
>> charlesb <n5pvl@sbcglobal.net> wrote in ...
>>> Is packet nearly over?
>>>
>>> Nope,
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>> Packet is dead. Has been for years.
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>> Its descendants survive in small enclaves, but
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>>
>> Too bad, packet really looked good for a while.
>>
>> 73, Gary
>
>
> You seem to have forgotten about the emergency services folks.
>
> Only packet can provide communications for the strategic data
> emergency services requires.
>
> Hams have failed to provide what is needed.

And why should people pursuing a hobby make a service as comprehensive as
one produced by people whose job it is to do that?

One thought regarding the original idea:

Since 802.11b "community" networks are growing like gangbusters (pringle can
antennas even!) and packet has slowed to a crawl -- could it be that the
latest generation doesn't *need* an amateur liscense to do a packet like
network?

I am pondering putting up a packet station, and I still might do that, but I
also might make it a dual satellite/packet terrestrial packet station.
==========

I have been lurking around here for a while, but felt the desire to repond.

Thanks,
Brent
N0RZU

1621. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-17 22:12:43 UTC
From: Russell Hltn <reply@2newsgroup.com>
Message-ID: <ajmhoc$k9p$1@nntp-m01.news.aol.com>
Source record: 5745

I think the biggest problem is that packet hasn't kept up with the need. It was cool in the age of 1200 - 2400 bps modems. But nothing has really emerged for faster speeds. Come up with an affordable network at higher speeds and I'll bet it comes back alive again.

"Gary McAdams" <g.m.mcadams@worldnet.att.net> wrote in message news:c2t79.16198$Ke2.1348204@bgtnsc04-news.ops.worldnet.att.net...
>
> charlesb <n5pvl@sbcglobal.net> wrote in ...
> > Is packet nearly over?
> >
> > Nope,
>
> Packet is dead. Has been for years.
>
> Killed by empire builders and buried by the internet.
>
> Its descendants survive in small enclaves, but
> they are mostly a curiosity, and die-hard hangers on
> refuse to let it go.
>
> Too bad, packet really looked good for a while.
>
> 73, Gary
>
>

1622. Is Packet dead

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-17 22:37:09 UTC
From: Joseph Fenn <jfenn@lava.net>
Message-ID: <Pine.BSI.4.44.0208171233140.14925-100000@malasada.lava.net>
Source record: 5746

Not in my book its not. If your talking about Packet Radio I am
referring to. In Army MARS its used cross country for all msg
traffic. Pactor is also in USE in MARS and much more widespread
now than before because of its efficiency on HF. Both modes
are sanctioned all over the system from here (Honolulu) to
Germany and Bosnia and Japan and Korea and Okinawa.
Internet is merely for exercise traffic. Digital radio is for
actual emergencies.
Joe/ABM6JF/ANCS Chiefsnet (Pacific area)

****
* Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
****

1623. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-18 00:02:16 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <cuB79.16974$Ke2.1404470@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5747

"Dianne & Brent" <bromo@ix.netcom.com> wrote in message
news:B983CE45.4E83%bromo@ix.netcom.com...
> On 8/17/02 6:57 AM, in article
> vvt79.16571$Ep6.1310317@bgtnsc05-news.ops.worldnet.att.net, "Hank Oredson"
> <horedson@att.net> wrote:
>
> >
> > "Gary McAdams" <g.m.mcadams@worldnet.att.net> wrote in message
> > news:c2t79.16198$Ke2.1348204@bgtnsc04-news.ops.worldnet.att.net...
> >>
> >> charlesb <n5pvl@sbcglobal.net> wrote in ...
> >>> Is packet nearly over?
> >>>
> >>> Nope,
> >>
> >> Packet is dead. Has been for years.
> >>
> >> Killed by empire builders and buried by the internet.
> >>
> >> Its descendants survive in small enclaves, but
> >> they are mostly a curiosity, and die-hard hangers on
> >> refuse to let it go.
> >>
> >> Too bad, packet really looked good for a while.
> >>
> >> 73, Gary
> >
> >
> > You seem to have forgotten about the emergency services folks.
> >
> > Only packet can provide communications for the strategic data
> > emergency services requires.
> >
> > Hams have failed to provide what is needed.
>
> And why should people pursuing a hobby make a service as comprehensive as
> one produced by people whose job it is to do that?

"... as comprehensive ..." who ever suggested that?
Why should we provide emergency services?
Basis and purpose, that's why.

> One thought regarding the original idea:
>
> Since 802.11b "community" networks are growing like gangbusters (pringle can

> antennas even!) and packet has slowed to a crawl -- could it be that the
> latest generation doesn't *need* an amateur liscense to do a packet like
> network?

You have any of those running yet?
Let me know how they work out after the tornado goes through.

> I am pondering putting up a packet station, and I still might do that, but I
> also might make it a dual satellite/packet terrestrial packet station.
> ==

And then again ... you might not, right?

> I have been lurking around here for a while, but felt the desire to repond.
>
> Thanks,
> Brent
> N0RZU

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1624. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-18 00:03:13 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <5vB79.16975$Ke2.1404417@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5748

Hmmm ... so our 9600 baud network doesn't exist?
Darn! I was having so much fun with it just an hour ago.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"Russell Hltn" <reply@2newsgroup.com> wrote in message
news:ajmhoc$k9p$1@nntp-m01.news.aol.com...
> I think the biggest problem is that packet hasn't kept up with the
> need. It was cool in the age of 1200 - 2400 bps modems. But nothing
> has really emerged for faster speeds. Come up with an affordable
> network at higher speeds and I'll bet it comes back alive again.
>
>
> "Gary McAdams" <g.m.mcadams@worldnet.att.net> wrote in message
> news:c2t79.16198$Ke2.1348204@bgtnsc04-news.ops.worldnet.att.net...
> >
> > charlesb <n5pvl@sbcglobal.net> wrote in ...
> > > Is packet nearly over?
> > >
> > > Nope,
> > >
> > Packet is dead. Has been for years.
> >
> > Killed by empire builders and buried by the internet.
> >
> > Its descendants survive in small enclaves, but
> > they are mostly a curiosity, and die-hard hangers on
> > refuse to let it go.
> >
> > Too bad, packet really looked good for a while.
> >
> > 73, Gary
> >
> >
>
>

1625. Re: Is Packet dead

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-18 00:04:01 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <RvB79.16976$Ke2.1404716@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5749

My point exactly.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"Joseph Fenn" <jfenn@lava.net> wrote in message
news:Pine.BSI.4.44.0208171233140.14925-100000@malasada.lava.net...
> Not in my book its not. If your talking about Packet Radio I am
> referring to. In Army MARS its used cross country for all msg
> traffic. Pactor is also in USE in MARS and much more widespread
> now than before because of its efficiency on HF. Both modes
> are sanctioned all over the system from here (Honolulu) to
> Germany and Bosnia and Japan and Korea and Okinawa.
> Internet is merely for exercise traffic. Digital radio is for
> actual emergencies.
> Joe/ABM6JF/ANCS Chiefsnet (Pacific area)
>
> **
> * Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
> **
>
>

1626. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-18 00:55:43 UTC
From: Gary McAdams <g.m.mcadams@worldnet.att.net>
Message-ID: <jgC79.17024$Ke2.1408160@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5750

Russell Hltn <reply@2newsgroup.com> ...
> I think the biggest problem is that packet hasn't kept up with the
> need. It was cool in the age of 1200 - 2400 bps modems. But nothing
> has really emerged for faster speeds. Come up with an affordable
> network at higher speeds and I'll bet it comes back alive again.
>

Russell,

That is so very true.

Yet another reason that the packet networks succumbed
when the internet came on line.

Who will put up with 1200 baud half duplex these days?

Nobody, that's who!

Since the packet ops never persuaded anyone to move up in
frequency, higher speeds were impossible.

Dead as a dodo, and likely to stay that way, despite the
fond wishes of the die-hard operators.

Sorry, but thats the way I see it.

73 Gary

1627. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-18 01:44:34 UTC
From: Russell Hltn <reply@2newsgroup.com>
Message-ID: <ajmu5gchu1@nntp-m01.news.aol.com>
Source record: 5651

Yes, they exist - as backbones. Not so much as individual stations. At least that's what I'm seeing here. Correct me if I'm wrong, but I heard that you don't see much speed increase until you get to 9600 bps full-duplex. Until then the lag time waiting for the receiver to turn around kills you.

We got some nice frequencies up in the microwave band. What about 10Mbs? We at least need to start getting up to speeds that rival DSP if we want to create a stir again.

And we'd better start using them before all the other 2.4GHz Part 15 device makers start screaming for more spectrum. It's going to hard to argue that the public is better served by letting only those who have a license keep it then turning it over to anyone who can buy the equipment.

There's also a good legal question that needs to be settled - Once we do have high speed packet, for sure something that's going to be wanted is Internet access over that link. How legal would it be to put the family computer on a ham link and do some web surfing? Or pay some bill? Or download some porn? What is acceptable use for a digital link in the internet age? Or has this been answered already?

"Hank Oredson" <horedson@att.net> wrote in message
news:5vB79.16975$Ke2.1404417@bgtnsc04-news.ops.worldnet.att.net...
> Hmmm ... so our 9600 baud network doesn't exist?
> Darn! I was having so much fun with it just an hour ago.
>

1628. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-18 02:41:03 UTC
From: Joseph Fenn <jfenn@lava.net>
Message-ID: <Pine.BSI.4.44.0208171631220.24101-100000@malasada.lava.net>
Source record: 5652

For Gary and Rob
You apparently did'nt read my msg!!!
As I said Packet/1200 simo with Pactor/9600 is for the hams
who go a step further than just being a ham. Some of us volunteers
spend many years and hours weekly in support of the dear old USA.
We know what FEMA stands for do you?
We know what happened on 9/11 and acted on it. Did you??
I have been doing it since 1940 (it was called AARS then)
I got my ticket in '37. The AARS goes back to the late
20's, the MARS back to 1950 when all 3 branches of the
service combined. But then maybe you guys are too young to
even have heard about such extensions to HAM radio.
One must be licensed as a ham to even get into MARS work.
And believe me when the winds howlin outside, or the river
just entered your basement or even worse the country is
threatened as on 9/11 then you know where we stand. Quit
knocking Packet and Pactor. They are alive and well and in
good hands.
Joe/KH6JF/ABM6JF

****
* Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
****

1629. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-18 04:17:01 UTC
From: Dianne & Brent <bromo@ix.netcom.com>
Message-ID: <B9845FBD.4FE0%bromo@ix.netcom.com>
Source record: 5653

On 8/17/02 4:02 PM, in article
cuB79.16974$Ke2.1404470@bgtnsc04-news.ops.worldnet.att.net, "Hank Oredson"
<horedson@att.net> wrote:

>>> Hams have failed to provide what is needed.
>>
>> And why should people pursuing a hobby make a service as comprehensive as
>> one produced by people whose job it is to do that?
>
> "... as comprehensive ..." who ever suggested that?
> Why should we provide emergency services?
> Basis and purpose, that's why.

If the emergency services are to be relied upon, then there should be a
minimum standard. I think it is unreasonable to rely upon a hobby to do it.

>> One thought regarding the original idea:
>>
>> Since 802.11b "community" networks are growing like gangbusters (pringle can
>> antennas even!) and packet has slowed to a crawl -- could it be that the
>> latest generation doesn't *need* an amateur liscense to do a packet like
>> network?
>
> You have any of those running yet?
> Let me know how they work out after the tornado goes through.

It isn't supposed to be an emergency network.

>
>> I am pondering putting up a packet station, and I still might do that, but I
>> also might make it a dual satellite/packet terrestrial packet station.
>> ==
>
> And then again ... you might not, right?

Right. I might not.

>
>> I have been lurking around here for a while, but felt the desire to repond.
>>
>> Thanks,
>> Brent
>> N0RZU

> ... Hank
>
> Hank: http://horedson.home.att.net

> W0RLI: http://w0rli.home.att.net
>

1630. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-18 05:35:12 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <kmG79.17773$Ep6.1385299@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5654

"Dianne & Brent" <bromo@ix.netcom.com> wrote in message
news:B9845FBD.4FE0%bromo@ix.netcom.com...
> On 8/17/02 4:02 PM, in article
> cuB79.16974$Ke2.1404470@bgtnsc04-news.ops.worldnet.att.net, "Hank Oredson"
> <horedson@att.net> wrote:
>
> >>> Hams have failed to provide what is needed.
> >>
> >> And why should people pursuing a hobby make a service as comprehensive as
> >> one produced by people whose job it is to do that?
> >
> > "... as comprehensive ..." who ever suggested that?
> > Why should we provide emergency services?
> > Basis and purpose, that's why.
>
> If the emergency services are to be relied upon, then there should be a
> minimum standard. I think it is unreasonable to rely upon a hobby to do it.

Again ... "... rely upon ...".
Nobody said that.
Perhaps you should go back and read what I wrote.

> >> One thought regarding the original idea:
> >>
> >> Since 802.11b "community" networks are growing like gangbusters (pringle
can
> >> antennas even!) and packet has slowed to a crawl -- could it be that the
> >> latest generation doesn't *need* an amateur liscense to do a packet like
> >> network?
> >
> > You have any of those running yet?
> > Let me know how they work out after the tornado goes through.
>
> It isn't supposed to be an emergency network.

Then why bring it up with respect to emergency networks?

>
> >
> >> I am pondering putting up a packet station, and I still might do that, but
I
> >> also might make it a dual satellite/packet terrestrial packet station.
> >> ==
> >
> > And then again ... you might not, right?

>
> Right. I might not.
>
> >
> >> I have been lurking around here for a while, but felt the desire to repond.

Well ... guess you reponded.
Try responding next time.

> >> Thanks,
> >> Brent
> >> N0RZU

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1631. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-18 05:38:31 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <rpG79.17774$Ep6.1390210@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5655

"Russell Hltn" <reply@2newsgroup.com> wrote in message
news:ajmu5gchu1@nntp-m01.news.aol.com...
> Yes, they exist - as backbones. Not so much as individual stations.

Eh? Makes no sense. Why don't you use 9600 for all links?

> At least that's what I'm seeing here. Correct me if I'm wrong, but I
> heard that you don't see much speed increase until you get to 9600 bps
> full-duplex. Until then the lag time waiting for the receiver to turn
> around kills you.

You are wrong.

> We got some nice frequencies up in the microwave band. What about
> 10Mbs? We at least need to start getting up to speeds that rival DSP
> if we want to create a stir again.

Sell me some gear.

> And we'd better start using them before all the other 2.4GHz Part 15
> device makers start screaming for more spectrum. It's going to hard
> to argue that the public is better served by letting only those who
> have a license keep it then turning it over to anyone who can buy the
> equipment.

Forget 2.4 it's a zoo. We have better bands.

> There's also a good legal question that needs to be settled - Once we
> do have high speed packet, for sure something that's going to be
> wanted is Internet access over that link. How legal would it be to
> put the family computer on a ham link and do some web surfing? Or pay
> some bill? Or download some porn? What is acceptable use for a
> digital link in the internet age? Or has this been answered already?

That's not legal of course. So we don't do it. Duh ...

In any case the issue I commented on was emergency services.
In case of emergency, you do what is needed.

> "Hank Oredson" <horedson@att.net> wrote in message
> news:5vB79.16975$Ke2.1404417@bgtnsc04-news.ops.worldnet.att.net...
> > Hmmm ... so our 9600 baud network doesn't exist?
> > Darn! I was having so much fun with it just an hour ago.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1632. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-18 05:39:23 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <fqG79.17775$Ep6.1388980@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5656

"Gary McAdams" <g.m.mcadams@worldnet.att.net> wrote in message
news:jgC79.17024$Ke2.1408160@bgtnsc04-news.ops.worldnet.att.net...
>
> Russell Hltn <reply@2newsgroup.com> ...
> > I think the biggest problem is that packet hasn't kept up with the
> > need. It was cool in the age of 1200 - 2400 bps modems. But nothing
> > has really emerged for faster speeds. Come up with an affordable
> > network at higher speeds and I'll bet it comes back alive again.
> >
>
> Russell,
>
> That is so very true.
>
> Yet another reason that the packet networks succumbed
> when the internet came on line.
>
> Who will put up with 1200 baud half duplex these days?
>
> Nobody, that's who!
>
> Since the packet ops never persuaded anyone to move up in
> frequency, higher speeds were impossible.
>
> Dead as a dodo, and likely to stay that way, despite the
> fond wishes of the die-hard operators.
>
> Sorry, but thats the way I see it.
>
> 73 Gary

Guess I missed something somewhere.
You still use 1200 baud links?
Why?

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1633. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-18 07:18:19 UTC
From: Russell Hltn <reply@2newsgroup.com>
Message-ID: <ajnhn2$3c9$1@nntp-m01.news.aol.com>
Source record: 5657

"Hank Oredson" <horedson@att.net> wrote in message
news:rpG79.17774$Ep6.1390210@bgtnsc05-news.ops.worldnet.att.net...
>
> Eh? Makes no sense. Why don't you use 9600 for all links?
>

I guess it comes down to $$. It takes fancier radios and better TNCs.
I've got a couple of 1200, but haven't run across a 9600. Not even
sure there are any 9600 nodes for me to talk to.

>> At least that's what I'm seeing here. Correct me if I'm wrong, but
I
> > heard that you don't see much speed increase until you get to 9600
bps
> > full-duplex. Until then the lag time waiting for the receiver to
turn
> > around kills you.
>
> You are wrong.

Then tell me, what real-life throughput do you see on a 9600 network
over a 1200? While 9600 is 8 times faster then 1200, in real-life
that time delay in turn around is going to eat away at that number.

>
> > We got some nice frequencies up in the microwave band. What about
> > 10Mbs? We at least need to start getting up to speeds that rival
DSP
> > if we want to create a stir again.
>
> Sell me some gear.

That's the problem.

> > There's also a good legal question that needs to be settled - Once
we
> > do have high speed packet, for sure something that's going to be
> > wanted is Internet access over that link. How legal would it be
to
> > put the family computer on a ham link and do some web surfing? Or
pay
> > some bill? Or download some porn? What is acceptable use for a
> > digital link in the internet age? Or has this been answered
already?
>
> That's not legal of course. So we don't do it. Duh ...

>

Which ones? I asked a loaded question. I'm not sure what most hams
are going to find in packet if they have to have a internet connection
anyway.

> In any case the issue I commented on was emergency services.
> In case of emergency, you do what is needed.
>
I agree. It's a good mode for certain tasks. But emergency service
isn't going to give it a good life or create a lot of interest in it.
It needs something to commend it as a hobby for the fun of it.

1634. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-18 09:09:23 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnalup23.l13.nomail@linux.pe1chl.ampr.org>
Source record: 5658

Gary McAdams <g.m.mcadams@worldnet.att.net> wrote:
>Who will put up with 1200 baud half duplex these days?

>Nobody, that's who!

>Since the packet ops never persuaded anyone to move up in
>frequency, higher speeds were impossible.

The big mistake in the early days was to use existing FM radios for
packet. To allow that, the 1200 baud afsk modem was chosen. It has
been inferior since day 1.

From then on, the average amateur believed that packet was just a
mode he would use over his existing equipment, and packet was doomed
to always be a slow speed mode.

Somewhat faster (9600 bps) modems were designed but they would not work
well on the average commercial transceiver, and dedicated data transceivers
were designed, but they were usually only available in kit form or had
nondesirable properties like being single-channel.

Apparently, the Japanese industry saw the potential of packet radio far too
late, and they made a false start by marketing "9600 bps ready"
transceivers that weren't. By the time they understood that a data-ready
transceiver meant the inclusion of a modem, they just included old standard
slowspeed modems and crippled TNCs.

Look at what the computer industry did at the same time: they understood
that for transferring data over radio a telephone modem and NBFM
transceiver is a poor choice. They developed spread-spectrum hardware
and standardized it. They built radio boxes with a sensible interface
(pcmcia or ethernet).

Amateurs could have done a similar thing, and with help from the industry
(for those users that do not want to homebrew) it could have been a similar
success. For some reason it did not happen.
A Japanese data radio available in the ninetees, priced like an NBFM
mobile radio but transferring >=56kbps data instead of voice, would have
meant all the difference.

Rob
--
+---------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+---------------------------------+--------------------------------------+

1635. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-18 12:13:59 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <bcM79.2167$OE7.866815150@newssvr11.news.prodigy.com>
Source record: 5659

I've got to say that this thread has been fun. The strange notions some of the posters have about packet... It's priceless, like the innocent things that children sometimes say.

In the last few weeks, I have been in contact with movers 'n shakers from over a dozen packet networks throughout the USA, toured their web sites and discussed the hobby with people who actually build network, as opposed to just talking or theorizing about it.

Then I came back here... It's really been a lot of fun to follow this thread. So far, I've heard about several items that allegedly "do not exist" - that actually do, and in a big way.

Behind most humor, there is a tragedy.. After all, somebody has to hit the deck, after slipping on the bannana peel. The tragedy here is the widespread, deep ignorance within the US, as to what kind of packet network resources we have at our disposal. - What kind of capabilities we have.

What is especially tragic is that we have good reason to be proud not only of what we already have, but also of what is currently being built. - But we don't express that pride because so many hams have been parroting the baseless mantra that packet radio in the U.S. is "dead". - You know how it goes... Repeat something often enough, and people start to believe it.

What I have been discovering is that packet in the US is a lot better than most U.S. hams have been led to believe. - Even the optimistic ones!

I am still in the process of gathering info on our network resources, but to see some of what I have discovered in the last few weeks, go to http://www.uspacket.net and press the "Network" button.

Charles, N5PVL webmaster@uspacket.net

1636. Soundcard Packet???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-18 13:41:13 UTC
From: ebruchac@aol.comnojunk
Message-ID: <20020818094113.20333.00001435@mb-fv.aol.com>
Source record: 5660

Any Packet programs,which use the soundcard instead of a TNC??
Currently running PSK,MMSSTV on FT817 allmode with homebrew notebook interface
and ptt inline.
Tnx
Ed N4ZUM

Remove the,"nojunk" to email.

"A Picture is Worth a Thousand Words...but uses a thousand times more memory."

1637. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-18 16:11:38 UTC
From: Gary McAdams <g.m.mcadams@worldnet.att.net>
Message-ID: <_GP79.18046$Ke2.1484231@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5661

charlesb <n5pvl@sbcglobal.net> wrote in message ...
> I've got to say that this thread has been fun. The strange notions some of
> the posters have about packet... It's priceless, like the innocent things
> that children sometimes say.

Yeah, its pretty funny. You fellows have proven my point, and the original poster's point a couple of times over.

Certainly there is a small, very small, niche of active packet users in the country. But if you think that this small user group will support a nation-wide network, well then, go for it.

The original poster asked if packet radio was dead. You guys answered no, but are unable to show any concrete proof.

What is concrete proof? Well, go to any large metropolitan area. Listen on any of the usual 2-meter VHF frequencies where packet used to be. Hear anything?

Ask some of the other fellows when or if they use packet. Count the "yes" answers. Still have fingers left?

If the packet network really exists and is efficient, why don't the respondents answers carry a packet network address?

Personally I'm just stating my opinion. I gave up on packet years ago after the empire builders in the Pacific Northwest got to be too much of a PITA. History has proven me correct. Now its YOUR job to show those of us who have become disinterested why we should invest time and money in something that only served to boost the ego of the venerable "sysop".

For Joe, yes I know about the military uses of packet. You yourself admitted that for real passing of traffic, PACTOR on HF is the preferred method. Packet is only for local networks on VHF, right? I have not listened to MARS frequencies lately, but If they are like any of the so-called "traffic" nets on Amateur HF, well lets be charitable and say that your chance will come, maybe... In the meantime, enjoy puttering around passing canned "traffic" amongst your selves.

Oh, the irony!

Mostly the answers are pretty much as expected. When someone from "outside" comes into the temple and begins asking pointed questions, the acolytes quickly close ranks and force out the unbelievers.

Speaking as an Infidel, I say "Show Me!"

Now back to your regularly scheduled argument.

Gary WG7X

1638. ShineMicro TNC for Handspring Visors

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-18 17:56:51 UTC
From: johnbartley@email.com
Message-ID: <f90c7f43.0208180956.71f8c7e0@posting.google.com>
Source record: 5663

I'm thinking about buying this for disaster communications (ARES and Red Cross).
http://www.shinemicro.com/SM2496TNCpage.htm

Have you resolved your issues with this?

What do you wish it did that is does not?

On Thu, 04 Apr 2002 14:05:42 -0500, Vito <vito@crosslink.net> wrote:

>Hi,
>Anybody using Shinemicro's SM2496 TNC on their Handspring Visor PDA? The
>doc's are less than comprehensive and my XYL is having troubles getting
>hers set up. Advice and help on the learning curve appreciated. TIA
>KA3DWW

1639. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-18 18:03:47 UTC
From: Dianne & Brent <bromo@ix.netcom.com>
Message-ID: <B9852183.50FC%bromo@ix.netcom.com>
Source record: 5662

On 8/17/02 9:35 PM, in article
kmG79.17773$Ep6.1385299@bgtnsc05-news.ops.worldnet.att.net, "Hank Oredson"
<horedson@att.net> wrote:

>>> "... as comprehensive ..." who ever suggested that?
>>> Why should we provide emergency services?
>>> Basis and purpose, that's why.
>>
>> If the emergency services are to be relied upon, then there should be a
>> minimum standard. I think it is unreasonable to rely upon a hobby to do it.
>
> Again ... "... rely upon ...".
> Nobody said that.
> Perhaps you should go back and read what I wrote.

I did. Apparently you weren't clear. Please do not throw stones, might be
a better use of your keystrokes to CLARIFY what you are trying to say.
(For instance, what do you mean by "Basis and Purpose, that's why" -- does
that mean that packet SHOULD BE or SHOULD NOT BE used as an emergency
service?)

>>>> One thought regarding the original idea:
>>>>
>>>> Since 802.11b "community" networks are growing like gangbusters (pringle
> can
>>>> antennas even!) and packet has slowed to a crawl -- could it be that the
>>>> latest generation doesn't *need* an amateur liscense to do a packet like
>>>> network?
>>>
>>> You have any of those running yet?
>>> Let me know how they work out after the tornado goes through.
>>
>> It isn't supposed to be an emergency network.
>
> Then why bring it up with respect to emergency networks?

I didn't. I was saying you can get 1-11Mbs for very little money, and
people are making community networks (WISPs) which are growing like crazy
based upon 802.11b standards and they do not need a license. Perhaps that
is why Packet is not popular.

My summary:

1. Ham is slower
2. The faster standards do not require a license

I also neglected to point out that if the power goes out, 90% of packet networks are likely to go out, but cell phones and other emergency services won't.

>>>> I have been lurking around here for a while, but felt the desire to
> repond.
>
>
> Well ... guess you reponded.
> Try responding next time.

You know what? I have been a ham for over 10 years, but have not been terribly active simply because, while most folks are relatively friendly, even when asking a difficult question. Folks like you who seem to want to harangue and insult to make yourself feel better tend to keep the hobby small.

1640. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-18 18:24:10 UTC
From: wa8ulx@aol.com
Message-ID: <20020818142410.25438.00001866@mb-fp.aol.com>
Source record: 5664

>I also neglected to point out that if the power goes out, 90% of packet
>networks are likely to go out, but cell phones and other emergency services
>won't.

Interesting, well since I live on the Gulf Coast, and we do get some pretty bad storms, sometimes there called Huricanes.
Anyway when we do get these Storms guess what becomes useless DA, Cell Phones.

1641. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-18 22:15:26 UTC
From: Dianne & Brent <bromo@ix.netcom.com>
Message-ID: <B9855C7E.5135%bromo@ix.netcom.com>
Source record: 5665

On 8/18/02 10:24 AM, in article 20020818142410.25438.00001866@mb-fp.aol.com,
"WA8ULX" <wa8ulx@aol.com> wrote:

>> I also neglected to point out that if the power goes out, 90% of packet
>> networks are likely to go out, but cell phones and other emergency services
>> won't.
>
> Interesting, well since I live on the Gulf Coast, and we do get some pretty
> bad
> storms, sometimes there called Huricanes.
> Anyway when we do get these Storms guess what becomes useless DA, Cell Phones.

Interesting. Most cell sites have significant battery and generator backups
and pride themselves on interruptable service. Now, if the antenna is
knocked down, well, that's all she wrote in any wireless service! :)

1642. Re: Soundcard Packet???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-18 22:16:52 UTC
From: rh3x@erols.com
Message-ID: <h570must91vcp0uragiuj473ce66tfufjs@4ax.com>
Source record: 5667

Mixw & AGWPE.

de Richard/N2JR

On 18 Aug 2002 13:41:13 GMT, ebruchac@aol.comnojunk (Ed Bruchac)
wrote:

>Any Packet programs,which use the soundcard instead of a TNC??
>Currently running PSK,MMSSTV on FT817 allmode with homebrew notebook interface
>and ptt inline.
>Tnx
>Ed N4ZUM
>
>
>**Remove the,"nojunk" to email.**
>
>"A Picture is Worth a Thousand Words...but uses a thousand times more memory."
>

1643. Packet/soundcards/etc

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-18 22:35:47 UTC
From: Joseph Fenn <jfenn@lava.net>
Message-ID: <Pine.BSI.4.44.0208181223430.12375-100000@malasada.lava.net>
Source record: 5668

For Gary and others.
If your a licensed ham and wish to dedicate yourself to something
other than "rag Chewing" or "DXCC", file an application for
membership in MARS. Any version of MARS Army/Airforce/Navy-Marine
corps. ARMY alone at the last Dayton Hamvention signed up
a hundred or so new members. They knew they were faced with a
"basic training" course on the MARS way of communicating and they
new they would have to file monthly participation reports, and
they knew they would have to follow MARS proceedures once selected.
As for PSK/MTTY/ and most of the sound card gimmicks, they are
not very useful to MARS since all Traffic sent within MARS must
reach its destination "error free". Both packet and Pactor
insure that they will. As to a system wide MARS comms system
we have it. Eastern/Western/Pacific Gateway systems. All
including most MARS members have APC's of all types, so the
argument of power loss means death is an invalid assumption.
Emergency power is the desert we enjoy most. Believe me Cell
phones die like they were hit by a virus under such conditions.
This is my final word on the subject. Show us what you've got!!
Joe (aka kilroy)

****
* Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
****

1644. Packet radio controlled by PDA?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-18 22:54:02 UTC
From: Dianne & Brent <bromo@ix.netcom.com>
Message-ID: <B9856589.5136%bromo@ix.netcom.com>
Source record: 5666

Does anyone know of a packet station that can be controlled by a PDA instead of a PC? Has anyone done it?

Thanks,
Brent
N0RZU

1645. Re: Packet radio controlled by PDA?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-18 23:02:37 UTC
From: Mark Waldron <mark@cybermechanica.com>
Message-ID: <3d602808_4@nopics.sjc>
Source record: 5669

Sure. With my HP200LX. :)

I've also used PalmAPRS with my Palm 3 and TH-D7A.

"Dianne & Brent" <bromo@ix.netcom.com> wrote in message
news:B9856589.5136%bromo@ix.netcom.com...
> Does anyone know of a packet station that can be controlled by a PDA
instead
> of a PC? Has anyone done it?
>
> Thanks,
> Brent
> N0RZU
>

1646. Packet radio controllable by PDA

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-18 23:58:50 UTC
From: johnbartley@email.com
Message-ID: <f90c7f43.0208181558.29f23f9f@posting.google.com>
Source record: 5670

On Sun, 18 Aug 2002 14:54:02 -0800, Dianne & Brent <bromo@ix.netcom.com> wrote:

>Does anyone know of a packet station that can be controlled by a PDA instead
>of a PC? Has anyone done it?
>
>Thanks,
>Brent
>N0RZU

http://www.shinemicro.com/SM2496TNCpage.htm

However:

On Thu, 04 Apr 2002 14:05:42 -0500, Vito <vito@crosslink.net> wrote:

>Hi,
>Anybody using Shinemicro's SM2496 TNC on their Handspring Visor PDA? The
>doc's are less than comprehensive and my XYL is having troubles getting
>hers set up. Advice and help on the learning curve appreciated. TIA
>KA3DWW

and Shine Micron has not responded to an email I sent them two weeks ago.
Hmmm.

1647. Pactor TNC for Kenwood TS-430s?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-19 00:17:28 UTC
From: sapbasis@iname.com
Message-ID: <8455963.0208181617.1784fe23@posting.google.com>
Source record: 5671

I have a kenwood ts-430s and I'm interested in trying winlink/airmail for a trip. I'm a complete newbie to digital on HF. I know the SCS-Pactor II TNC's are supposed to be great but a bit pricey for me.

So I've been looking at an AEA PK232 since I can get a used one that supports Pactor I for under $100. I understand it will be a lot slower and not as reliable but I figure if I like it I can always sell the AEA and move up to an SCS TNC.

I was wondering if people have experience using Winlink/Airmail with these TNC's?

Will I need to make my own cable to connect the TNC to my Kenwood TS-430s?

Will I need the optional narrow SSB filter as well?

Thanks,
Todd

1648. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-19 00:25:38 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <6WW79.18781$Ke2.1533556@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5672

"Dianne & Brent" <bromo@ix.netcom.com> wrote in message
news:B9852183.50FC%bromo@ix.netcom.com...
> On 8/17/02 9:35 PM, in article
> kmG79.17773$Ep6.1385299@bgtnsc05-news.ops.worldnet.att.net, "Hank Oredson"
> <horedson@att.net> wrote:
>
> >>> "... as comprehensive ..." who ever suggested that?
> >>> Why should we provide emergency services?
> >>> Basis and purpose, that's why.
> >>
> >> If the emergency services are to be relied upon, then there should be a
> >> minimum standard. I think it is unreasonable to rely upon a hobby to do
it.
> >
> > Again ... "... rely upon ...".
> > Nobody said that.
> > Perhaps you should go back and read what I wrote.
>
> I did. Apparently you weren't clear. Please do not throw stones, might be
> a better use of your keystrokes to CLARIFY what you are trying to say.
> (For instance, what do you mean by "Basis and Purpose, that's why" -- does
> that mean that packet SHOULD BE or SHOULD NOT BE used as an emergency
> service?)

Um ... you are kidding, right?

> >>>> One thought regarding the original idea:
> >>>>
> >>>> Since 802.11b "community" networks are growing like gangbusters (pringle
> > can
> >>>> antennas even!) and packet has slowed to a crawl -- could it be that the
> >>>> latest generation doesn't *need* an amateur liscense to do a packet like
> >>>> network?
> >>>
> >>> You have any of those running yet?
> >>> Let me know how they work out after the tornado goes through.
> >>
> >> It isn't supposed to be an emergency network.
> >
> > Then why bring it up with respect to emergency networks?
>
> I didn't. I was saying you can get 1-11Mbs for very little money, and
> people are making community networks (WISPs) which are growing like crazy
> based upon 802.11b standards and they do not need a license. Perhaps that
> is why Packet is not popular.

So how does this relate to emergency communications services?

> My summary:
>
> 1. Ham is slower

Than what?
Existing 802.11b services?
You are again kidding, right?

> 2. The faster standards do not require a license

They do if they are run on the Ham bands.

> I also neglected to point out that if the power goes out, 90% of packet
> networks are likely to go out, but cell phones and other emergency services
> won't.

90% of the packet network here will remain running, as it did
the time a few years ago when power was out across the whole
metro region (50 miles by 50 miles). Packet still worked.

> >>>> I have been lurking around here for a while, but felt the desire to
> > repond.
> >
> >
> > Well ... guess you reponded.
> > Try responding next time.
>
> You know what? I have been a ham for over 10 years, but have not been
> terribly active simply because, while most folks are relatively friendly,
> even when asking a difficult question. Folks like you who seem to want to
> harangue and insult to make yourself feel better tend to keep the hobby
> small.

I did not start this harangue OM.
I posted some suggestions, you tore right into them.
So you get flamed.
Try posting some suggestions about how to use Ham Radio.
Otherwise you are part of the problem.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1649. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-19 00:27:27 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <PXW79.18785$Ke2.1534806@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5673

"WA8ULX" <wa8ulx@aol.com> wrote in message
news:20020818142410.25438.00001866@mb-fp.aol.com...
> >I also neglected to point out that if the power goes out, 90% of packet
> >networks are likely to go out, but cell phones and other emergency services
> >won't.
>
> Interesting, well since I live on the Gulf Coast, and we do get some pretty
bad
> storms, sometimes there called Huricanes.
> Anyway when we do get these Storms guess what becomes useless DA, Cell
Phones.

Sometimes cable goes out too, along with power and telephone.
e.g. hurricane Gloria, which passed right over Westford, MA
while we were living there. Phones were back in service in a
couple days. Power was out for nearly a week. Lots of free
firewood availble though :-)

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1650. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-19 00:29:17 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <xZW79.18788$Ke2.1535248@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5674

"Dianne & Brent" <bromo@ix.netcom.com> wrote in message
news:B9855C7E.5135%bromo@ix.netcom.com...
> On 8/18/02 10:24 AM, in article 20020818142410.25438.00001866@mb-fp.aol.com,
> "WA8ULX" <wa8ulx@aol.com> wrote:
>
> >> I also neglected to point out that if the power goes out, 90% of packet
> >> networks are likely to go out, but cell phones and other emergency
services
> >> won't.
> >
> > Interesting, well since I live on the Gulf Coast, and we do get some pretty
> > bad
> > storms, sometimes there called Huricanes.
> > Anyway when we do get these Storms guess what becomes useless DA, Cell
Phones.
>
> Interesting. Most cell sites have significant battery and generator backups
> and pride themselves on interruptable service. Now, if the antenna is
> knocked down, well, that's all she wrote in any wireless service! :)

After the Loma Prieta quake, one of the major packet nodes
was down. It was located very near the epicenter, and the
"hardened" AT&T bunker in which it was located was found
several hundred feet downslope. The rest of the network was
running just fine. Phones (wire and cell) were not ...

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1651. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-19 00:31:42 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <O%W79.18792$Ke2.1533667@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5675

"Russell Hltn" <reply@2newsgroup.com> wrote in message
news:ajnhn2$3c9$1@nntp-m01.news.aol.com...
> "Hank Oredson" <horedson@att.net> wrote in message
> news:rpG79.17774$Ep6.1390210@bgtnsc05-news.ops.worldnet.att.net...
> >
> > Eh? Makes no sense. Why don't you use 9600 for all links?
> >
>
> I guess it comes down to $$. It takes fancier radios and better TNCs.
> I've got a couple of 1200, but haven't run across a 9600. Not even
> sure there are any 9600 nodes for me to talk to.

Put one up.

> >> At least that's what I'm seeing here. Correct me if I'm wrong, but
> I
> > > heard that you don't see much speed increase until you get to 9600
> bps
> > > full-duplex. Until then the lag time waiting for the receiver to
> turn
> > > around kills you.
> >
> > You are wrong.
>
> Then tell me, what real-life throughput do you see on a 9600 network
> over a 1200? While 9600 is 8 times faster then 1200, in real-life
> that time delay in turn around is going to eat away at that number.

We see about 8 times the throughput.

> > > We got some nice frequencies up in the microwave band. What about
> > > 10Mbs? We at least need to start getting up to speeds that rival
> DSP
> > > if we want to create a stir again.
> >
> > Sell me some gear.
>
> That's the problem.
>
>
> > > There's also a good legal question that needs to be settled - Once
> we
> > > do have high speed packet, for sure something that's going to be
> > > wanted is Internet access over that link. How legal would it be
> to

> > > put the family computer on a ham link and do some web surfing? Or
> pay
> > > some bill? Or download some porn? What is acceptable use for a
> > > digital link in the internet age? Or has this been answered
> already?
> >
> > That's not legal of course. So we don't do it. Duh ...
> >
>
> Which ones? I asked a loaded question. I'm not sure what most hams
> are going to find in packet if they have to have a internet connection
> anyway.

Um ... doing something with radio? Antennas, feedlines, that kind of stuff.
Cannot do that on the internet. Your local telco or cable company will
get it's shorts all in a twist if you try.

> > In any case the issue I commented on was emergency services.
> > In case of emergency, you do what is needed.
> >
> I agree. It's a good mode for certain tasks. But emergency service
> isn't going to give it a good life or create a lot of interest in it.
> It needs something to commend it as a hobby for the fun of it.

Then it's dead.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1652. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-19 00:33:40 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <E1X79.18794$Ke2.1535533@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5676

"Gary McAdams" <g.m.mcadams@worldnet.att.net> wrote in message
news:_GP79.18046$Ke2.1484231@bgtnsc04-news.ops.worldnet.att.net...
>
> charlesb <n5pvl@sbcglobal.net> wrote in message ...
> > I've got to say that this thread has been fun. The strange notions some of
> > the posters have about packet... It's priceless, like the innocent things
> > that children sometimes say.
>
> Yeah, its pretty funny. You fellows have proven my point, and the original
> poster's point a couple of times over.
>
> Certainly there is a small, very small, niche of active packet users in
> the country. But if you think that this small user group will support a
> nation-wide network, well then, go for it.
>
> The original poster asked if packet radio was dead. You guys
> answered no, but are unable to show any concrete proof.

I'll say it again: we have a very nice packet network here.

For "concrete" proof you will either have to come here and
see it in action, or connect here via HF and see what is here.

If you don't know HOW you might connect here via HF,
then you have not done your homework!

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1653. Re: Pactor TNC for Kenwood TS-430s?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-19 00:35:43 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <z3X79.18795$Ke2.1536450@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5678

"Todd" <sapbasis@iname.com> wrote in message
news:8455963.0208181617.1784fe23@posting.google.com...
> I have a kenwood ts-430s and I'm interested in trying winlink/airmail
> for a trip. I'm a complete newbie to digital on HF. I know the
> SCS-Pactor II TNC's are supposed to be great but a bit pricey for me.
>
> So I've been looking at an AEA PK232 since I can get a used one that
> supports Pactor I for under $100. I understand it will be a lot slower
> and not as reliable but I figure if I like it I can always sell the
> AEA and move up to an SCS TNC.
>
> I was wondering if people have experience using Winlink/Airmail with
> these TNC's?
>
> Will I need to make my own cable to connect the TNC to my Kenwood
> TS-430s?
>
> Will I need the optional narrow SSB filter as well?

I'll sell you my antique KAM real cheap if you want to put
it on air. Have had the VHF port on air within the past month,
but have only tried the HF port once, and found that it might
need the connector resoldered, or maybe I had a bad cable.

But you can have it a lot cheaper than $100 :-)

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1654. Re: ShineMicro TNC for Handspring Visors

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-19 00:35:50 UTC
From: Russell Hltn <reply@2newsgroup.com>
Message-ID: <ajpeg8$35r$1@nntp-m01.news.aol.com>
Source record: 5677

Out of curiosity, how do you plan to use it? The problem I see with a PDA is that while it's small and very power efficient, the data entry is horridly slow and typically there's no printer.

If you can still use an external keyboard while the TNC is connected then that's one problem solved. But then there's still the issue about how to print.

Unless I'm missing something, a truly effective packet station is going to need both a keyboard and a printer. Or is this just for APRS or digipeating?

"John Bartley I solved my XP problems w/ Service Pack Linux" <johnbartley@email.com> wrote in message news:f90c7f43.0208180956.71f8c7e0@posting.google.com...
> I'm thinking about buying this for disaster communications (ARES and Red Cross).
> http://www.shinemicro.com/SM2496TNCpage.htm
>
> Have you resolved your issues with this?
>
> What do you wish it did that is does not?
>
>
> On Thu, 04 Apr 2002 14:05:42 -0500, Vito <vito@crosslink.net> wrote:
>
> >Hi,
> >Anybody using Shinemicro's SM2496 TNC on their Handspring Visor PDA? The
> >doc's are less than comprehensive and my XYL is having troubles getting
> >hers set up. Advice and help on the learning curve appreciated. TIA
> >KA3DWW

1655. Re: Pactor TNC for Kenwood TS-430s?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-19 01:57:34 UTC
From: "S. Miller" <stemp-removethis-@gstarusa.com>
Message-ID: <3D60508E.37F6F764@gstarusa.com>
Source record: 5680

Hi Todd,

Pactor I will work with Winlink but I think you will find the throughput unacceptable for all but the most minimal amount of traffic. Pactor II (and especially Pactor III) is night-and-day better, and pretty much required for practical use (and yes, the SCS TNCs are indeed not cheap, a situation made worse by the fact that it is pretty rare to find a used one for sale - which should tell you something... :-) But that said, Pactor I will work if your main interest is getting your feet wet and seeing if the system meets your requirements. A 500 hz filter is sometimes handy but not at all essential, especially with the DSP-based TNCs which really don't care about any audio in the passband other than what they're looking for. The filter can help keep nearby QRM out of your receiver's AGC, but this won't be a problem all that often. I would save my money on this unless your operating experiences indicate that you need it.

Go for it, you will have a lot of fun getting everything set up and learning the ropes. If you need low-bandwidth HF email access then I believe you will find Winlink/Airmail a very good solution, but if you end up using it much you WILL be trading up to an Pactor II TNC sooner or later.

Feel free to email me privately if you have any more questions (remove the '-removethis-' text from my return address above).

73,

- Seth

Todd wrote:

> I have a kenwood ts-430s and I'm interested in trying winlink/airmail
> for a trip. I'm a complete newbie to digital on HF. I know the
> SCS-Pactor II TNC's are supposed to be great but a bit pricey for me.
>
> So I've been looking at an AEA PK232 since I can get a used one that
> supports Pactor I for under $100. I understand it will be a lot slower
> and not as reliable but I figure if I like it I can always sell the
> AEA and move up to an SCS TNC.
>
> I was wondering if people have experience using Winlink/Airmail with
> these TNC's?
>
> Will I need to make my own cable to connect the TNC to my Kenwood
> TS-430s?
>

> Will I need the optional narrow SSB filter as well?
>
> Thanks,
> Todd

1656. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-19 02:13:26 UTC
From: Dianne & Brent <bromo@ix.netcom.com>
Message-ID: <B9859446.519B%bromo@ix.netcom.com>
Source record: 5679

On 8/18/02 4:25 PM, in article
6WW79.18781$Ke2.1533556@bgtnsc04-news.ops.worldnet.att.net, "Hank Oredson"
<horedson@att.net> wrote:

>>> Then why bring it up with respect to emergency networks?
>>
>> I didn't. I was saying you can get 1-11Mbs for very little money, and
>> people are making community networks (WISPs) which are growing like crazy
>> based upon 802.11b standards and they do not need a license. Perhaps that
>> is why Packet is not popular.
>
> So how does this relate to emergency communications services?

It does not. It only relates to the original thread of packet being "nearly
over" -- I pointed out that alternatives that do not require a ham ticket
and are much faster.

1657. Is packet all over

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-19 02:21:40 UTC
From: Joseph Fenn <jfenn@lava.net>
Message-ID: <Pine.BSI.4.44.0208181620380.4984-100000@malasada.lava.net>
Source record: 5681

```
C A S E C L O S E D

Kilroy

**************************************************
* Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
**************************************************
```

1658. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-19 03:37:36 UTC
From: Gary McAdams <g.m.mcadams@worldnet.att.net>
Message-ID: <4KZ79.19289$Ep6.1498240@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5682

>
> If you don't know HOW you might connect here via HF,
> then you have not done your homework!
>
> --
>
Hank,

I know how to, the point is I don't care to.

Neither do most other hams outside of the
cabal.

PITA, that's the name of that game.

Amateur radio shines in so many ways simply
because we are there, and have communications
capability when the chips are down.

In an emergency, look to the Amateur radio contest
community for the best stations, located in the right
spots with well trained operators.

That's what's needed...

'nuf said.

Gary WG7X

1659. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-19 04:32:57 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <Zx_79.19337$Ep6.1503660@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5683

"Gary McAdams" <g.m.mcadams@worldnet.att.net> wrote in message
news:4KZ79.19289$Ep6.1498240@bgtnsc05-news.ops.worldnet.att.net...
>
> >
> > If you don't know HOW you might connect here via HF,
> > then you have not done your homework!
> >
> > --
> >
> Hank,
>
> I know how to, the point is I don't care to.
>
> Neither do most other hams outside of the
> cabal.
>
> PITA, that's the name of that game.
>
> Amateur radio shines in so many ways simply
> because we are there, and have communications
> capability when the chips are down.
>
> In an emergency, look to the Amateur radio contest
> community for the best stations, located in the right
> spots with well trained operators.
>
> That's what's needed...
>
> 'nuf said.
>
> Gary WG7X

Well ... I'm at one of those locations, with two HF stations
on air here 24/7. How will you handle the Excel spreadsheets?
How do you think the emergency responders handle their
SITREPS nowdays? It ain't on paper anymore ... and hams
need to provide digital links to be of any use at all ... beyond
the obvious and traditional tactical comms.

NTS certainly cannot handle the amount or type of data
needed. I keep poking at this only because I think it is
important that hams move out of the 1930s capability
and at least make a try at being useful in the modern
age of digital networking.

"When the internet is down, hams ... do nothing ..."

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1660. Re: Is packet all over

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-19 04:33:36 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <Ay_79.19338$Ep6.1504582@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5684

Certainly going by the responses in this group ...

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"Joseph Fenn" <jfenn@lava.net> wrote in message
news:Pine.BSI.4.44.0208181620380.4984-100000@malasada.lava.net...
> C A S E C L O S E D
>
> Kilroy
>
>
> **
> * Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
> **
>
>

1661. Soundcard programming

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-19 15:39:52 UTC
From: Mark Erbaugh <mark@microenh.com>
Message-ID: <um24c56bm0kg02@corp.supernews.com>
Source record: 5685

I am interested in learning how to program a Windows soundcard for various communications modes and related tasks. I have downloaded and used programs that support modes such as RTTY, PSK31 and SSTV, but I would like to learn to 'roll my own'. I am a competent Borland Delphi programmer and can write programs that talk to Windows or Soundcard DLLs or other low level interfaces when needed.

Is there a good reference book or online site to get me started?

Thanks and 73,
Mark, N8ME

1662. WWV Decode

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-19 15:43:59 UTC
From: Mark Erbaugh <mark@microenh.com>
Message-ID: <um24c6f6qik003@corp.supernews.com>
Source record: 5686

Does anyone know of a Windows program that uses a soundcard to decode the time information encoded in the WWV audio and set the computer clock automatically? The signal format is documented on the WWV website. I know there are other ways to get the time, but since the information is there, I figure why not use it?

Mark

1663. Re: WWV Decode

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-19 17:30:09 UTC
From: Jim Pennino <jimp@specsol.com>
Message-ID: <ajr9v1bjn1@mail.specsol.com>
Source record: 5687

Mark Erbaugh <mark@microenh.com> wrote:
> Does anyone know of a Windows program that uses a soundcard to decode the
> time information encoded in the WWV audio and set the computer clock
> automatically? The signal format is documented on the WWV website. I know
> there are other ways to get the time, but since the information is there, I
> figure why not use it?

> Mark

Why not?

Well, you need a receiver, a sound card based decoder, and then time
syncronization software. You would wind up with a complex system that
wouldn't be all that accurate.

Or, you could just run a ntp client on the computer and get good time
the same way the big boys do.

See http://www.kaska.demon.co.uk/ for one such client.

If you still want to do this as a home brew project for whatever personal
reason, see http://www.eecis.udel.edu/~ntp/ where you can find the ntp
code which you can use as the basis for the decoding and time synch parts.

Sorry, no link for getting the audio to ones and zeroes with a sound
card, but there used to be a link on the ntp site to a simple hardware
decoder.

--
Jim Pennino

1664. Re: WWV Decode

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-19 17:52:17 UTC
From: Mark Erbaugh <mark@microenh.com>
Message-ID: <um2bspr12s1j47@corp.supernews.com>
Source record: 5688

> Why not?
>
> Well, you need a receiver, a sound card based decoder, and then time
> syncronization software. You would wind up with a complex system that
> wouldn't be all that accurate.

I already have a receiver hooked up to my computer used for other sound card based digital modes. I want to learn how to develop such a sound card based decoder. I appreciate the need for accuracy where critical timing is made, but I'm not concerned with sub-second accuracy. Basically, I am developing software to control an HF transceiver (currently a TenTec Pegasus). I plan on using the WWV frequency to tweak the frequency calibration (my particular transceiver, appears to be about 20 Hz off WWV at 15 MHz). I plan on using the soundcard to automatically zero-beat the WWV signal and automatically adjust the calibration factors in the software. I figure while it's at it, it may as well set the computer clock.

More than anything it's a challenge for me to learn how to use the soundcard from within my own program.

> If you still want to do this as a home brew project for whatever personal
> reason, see http://www.eecis.udel.edu/~ntp/ where you can find the ntp
> code which you can use as the basis for the decoding and time synch parts.

Thanks for the link.

1665. Re: WWV Decode

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-19 18:16:59 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnam2dgr.4j6.nomail@linux.pe1chl.ampr.org>
Source record: 5689

Jim Pennino <jimp@specsol.com> wrote:
>Mark Erbaugh <mark@microenh.com> wrote:
>> Does anyone know of a Windows program that uses a soundcard to decode the
>> time information encoded in the WWV audio and set the computer clock
>> automatically? The signal format is documented on the WWV website. I know
>> there are other ways to get the time, but since the information is there, I
>> figure why not use it?

>> Mark

>Why not?

>Well, you need a receiver, a sound card based decoder, and then time
>syncronization software. You would wind up with a complex system that
>wouldn't be all that accurate.

>Or, you could just run a ntp client on the computer and get good time
>the same way the big boys do.

But then you need an Internet connection!
And you get accuracy that is difficult to predict, might well be worse
than the receiver.

An accurate alternative would be a GPS receiver with PPS output.

Rob
--
+---------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+---------------------------------+--------------------------------------+

1666. Re: WWV Decode

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-19 18:19:10 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnam2dku.4j6.nomail@linux.pe1chl.ampr.org>
Source record: 5690

Mark Erbaugh <mark@microenh.com> wrote:
>> Why not?

>> Well, you need a receiver, a sound card based decoder, and then time
>> syncronization software. You would wind up with a complex system that
>> wouldn't be all that accurate.

>I already have a receiver hooked up to my computer used for other sound card
>based digital modes. I want to learn how to develop such a sound card based
>decoder. I appreciate the need for accuracy where critical timing is made,
>but I'm not concerned with sub-second accuracy. Basically, I am developing
>software to control an HF transceiver (currently a TenTec Pegasus). I plan
>on using the WWV frequency to tweak the frequency calibration (my particular
>transceiver, appears to be about 20 Hz off WWV at 15 MHz). I plan on using
>the soundcard to automatically zero-beat the WWV signal and automatically
>adjust the calibration factors in the software. I figure while it's at it,
>it may as well set the computer clock.

>More than anything it's a challenge for me to learn how to use the soundcard
>from within my own program.

In that case, you either need an open-source implementation or a good
description of the protocol. It is usually not very difficult to sync
to clock signals with moderate accuracy, but I have no experience with
WWV (here we use DCF77).

Rob
--
+---------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+---------------------------------+--------------------------------------+

1667. Amateurs [was Is Packet nearly over?]

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-19 18:29:19 UTC
From: Dave Allen <david_e_allen@agilent.com>
Message-ID: <3D6138FF.7C0D28BD@agilent.com>
Source record: 5691

Hardly a "shame". It's what we live for! Remember that the USA was begun by a volunteer "army" and statesmen. The army and politicians have changed a lot since then, but the spirit of volunterism is still alive and fairly well. When something happens, we want to be there! We want to help! Look at how many millions of volunteer hours went into the 9/11 aftermath!

Every week we are involved with providing communications for public events. It's not much of a stretch to be ready to provide communications for emergencies. It's not "positioning". It's being there, and being ready to be there, when something happens, when there is a need.

dave allen, wb0taq, colorado

Rob Janssen wrote:

> Also, isn't it a shame that in the country that tries to position itself as
> the most powerful and richest nation in the world, radio communication in
> case of emergencies is supposed to be handled by radio amateurs?
>
> Over here, amateur radio is just a hobby and nothing more. Nobody is
> expecting us to provide service in case of emergencies, although that has
> happened a couple of times.

1668. Re: WWV Decode

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-19 18:35:14 UTC
From: Jim Pennino <jimp@specsol.com>
Message-ID: <ajrdp2$l47$1@mail.specsol.com>
Source record: 5692

Rob Janssen <nomail@pe1chl.ampr.org> wrote:
> Jim Pennino <jimp@specsol.com> wrote:
>>Mark Erbaugh <mark@microenh.com> wrote:
>>> Does anyone know of a Windows program that uses a soundcard to decode the
>>> time information encoded in the WWV audio and set the computer clock
>>> automatically? The signal format is documented on the WWV website. I know
>>> there are other ways to get the time, but since the information is there, I
>>> figure why not use it?

>>> Mark

>>Why not?

>>Well, you need a receiver, a sound card based decoder, and then time
>>syncronization software. You would wind up with a complex system that
>>wouldn't be all that accurate.

>>Or, you could just run a ntp client on the computer and get good time
>>the same way the big boys do.

> But then you need an Internet connection!

Since he POSTED the question, I would think there is a high probability he HAS
an Internet connection.

> And you get accuracy that is difficult to predict, might well be worse
> than the receiver.

You need to go to http://www.eecis.udel.edu/~ntp/ and read up on how
ntp works before making such ridiculous statements.

> An accurate alternative would be a GPS receiver with PPS output.

Sure, and for about $5000 you can get a network ready NTP GPS time source
that keeps your clock accurate to some small number of nanoseconds, but
I highly doubt that either solution is what the original poster has in mind.

> Rob
> --
> +---------------------------------+--------------------------------------+
> | Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
> | AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
> +---------------------------------+--------------------------------------+

--
Jim Pennino

1669. Re: WWV Decode

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-19 19:36:05 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnam2i54.4j6.nomail@linux.pe1chl.ampr.org>
Source record: 5693

Jim Pennino <jimp@specsol.com> wrote:
>>>Or, you could just run a ntp client on the computer and get good time
>>>the same way the big boys do.

>> But then you need an Internet connection!

>Since he POSTED the question, I would think there is a high probability he HAS
>an Internet connection.

But maybe a dialup connection? For reasonable timekeeping you would need
an always-on connection.

>> And you get accuracy that is difficult to predict, might well be worse
>> than the receiver.

>You need to go to http://www.eecis.udel.edu/~ntp/ and read up on how
>ntp works before making such ridiculous statements.

I have been running an NNTP server for a long time and I know how it
works. My server is synced to a radio receiver and two Internet systems
and I can observe the effects of unbalanced roundtriptime on the
connection. I have also graphed the jitter on the radio received
timestamps and analyzed the effects of daylight/nighttime propagation
and the changes over the seasons.

Before you call the statements ridiculous, please make similar efforts
and don't read only theory documents.

>> An accurate alternative would be a GPS receiver with PPS output.

>Sure, and for about $5000 you can get a network ready NTP GPS time source
>that keeps your clock accurate to some small number of nanoseconds, but
>I highly doubt that either solution is what the original poster has in mind.

Alternatively, you can get a $100-$200 OEM GPS receiver module and easily
obtain precision that is much better than you ever are going to get with
WWV or NNTP. Checkout W3IWI's "totally accurate clock" design.

Rob
--
+--------------------------------+-------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+-------------------------------------+

1670. Re: WWV Decode

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-19 19:42:30 UTC
From: Mark Erbaugh <mark@microenh.com>
Message-ID: <um2ibe462t1g44@corp.supernews.com>
Source record: 5694

> In that case, you either need an open-source implementation or a good
> description of the protocol. It is usually not very difficult to sync
> to clock signals with moderate accuracy, but I have no experience with
> WWV (here we use DCF77).

The time encoding document on the WWV website. It is a simple pulse width encoding of a 100 Hz (I thnk) audio tone on the WWV signal. It's quite visible when looking at the WWV signal through and audio filter program. It takes close to a minute to encode the entire day / time info.

Mark

1671. Re: WWV Decode

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-19 20:00:23 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0208191959481.17147-100000@exp.bde-arc.ampr.org>
Source record: 5695

On Mon, 19 Aug 2002, Jim Pennino wrote:
>Rob Janssen <nomail@pe1chl.ampr.org> wrote:
>> Jim Pennino <jimp@specsol.com> wrote:
>>>Mark Erbaugh <mark@microenh.com> wrote:
>>>> Does anyone know of a Windows program that uses a soundcard to decode the
>>>> time information encoded in the WWV audio and set the computer clock
>>>> automatically? The signal format is documented on the WWV website. I know
>>>> there are other ways to get the time, but since the information is there, I
>>>> figure why not use it?
>
>>>> Mark
>
>>>Why not?
>
>>>Well, you need a receiver, a sound card based decoder, and then time
>>>syncronization software. You would wind up with a complex system that
>>>wouldn't be all that accurate.
>
>>>Or, you could just run a ntp client on the computer and get good time
>>>the same way the big boys do.
>
>> But then you need an Internet connection!
>
>Since he POSTED the question, I would think there is a high probability he HAS
>an Internet connection.

Maybe so, but that does not mean that he wants to RELY on that connection.
Disasters do happen.

>> And you get accuracy that is difficult to predict, might well be worse
>> than the receiver.
>
>You need to go to http://www.eecis.udel.edu/~ntp/ and read up on how
>ntp works before making such ridiculous statements.
>
>> An accurate alternative would be a GPS receiver with PPS output.
>
>Sure, and for about $5000 you can get a network ready NTP GPS time source
>that keeps your clock accurate to some small number of nanoseconds, but
>I highly doubt that either solution is what the original poster has in mind.

1672. Re: WWV Decode

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-19 20:30:51 UTC
From: Jim Pennino <jimp@specsol.com>
Message-ID: <ajrkhrdpr1@mail.specsol.com>
Source record: 5696

Rob Janssen <nomail@pe1chl.ampr.org> wrote:
> Jim Pennino <jimp@specsol.com> wrote:
>>>>Or, you could just run a ntp client on the computer and get good time
>>>>the same way the big boys do.

>>> But then you need an Internet connection!

>>Since he POSTED the question, I would think there is a high probability he HAS
>>an Internet connection.

> But maybe a dialup connection? For reasonable timekeeping you would need
> an always-on connection.

Depends on your definition of "reasonable", but even a dialup and NTP
will keep a system in the tens of millisecond range.

>>> And you get accuracy that is difficult to predict, might well be worse
>>> than the receiver.

>>You need to go to http://www.eecis.udel.edu/~ntp/ and read up on how
>>ntp works before making such ridiculous statements.

> I have been running an NNTP server for a long time and I know how it
> works. My server is synced to a radio receiver and two Internet systems
> and I can observe the effects of unbalanced roundtriptime on the
> connection. I have also graphed the jitter on the radio received
> timestamps and analyzed the effects of daylight/nighttime propagation
> and the changes over the seasons.

I run an NNTP server also, but I use it for USENET news.

The NTP implementation keeps the time correct.

If you know how NTP is implemented, then you know it goes to great lengths
to calculate and correct for network delays, dispersion, and system clock
drift. Your radio prop delay can never be known as accurately because
there is no feeback mechanism back to the primary source as in a TCP
connection.

Perhaps this is why WWV, CHU and the rest were abandoned as time sources
by those who REALLY want or need accurate time once GPS came on line.

You are also mixing apples and oranges; WWV and GPS are time sources, NTP
is the mechanism to obtain the time from the source and correct a
computer system clock using algorithms to correct for the errors introduced
by the underlying information transport, i.e. TCP/IP.

> Before you call the statements ridiculous, please make similar efforts
> and don't read only theory documents.

All the work was done long ago by people much better at it than either
you or I.

>>> An accurate alternative would be a GPS receiver with PPS output.

>>Sure, and for about $5000 you can get a network ready NTP GPS time source
>>that keeps your clock accurate to some small number of nanoseconds, but
>>I highly doubt that either solution is what the original poster has in mind.

> Alternatively, you can get a $100-$200 OEM GPS receiver module and easily
> obtain precision that is much better than you ever are going to get with
> WWV or NNTP. Checkout W3IWI's "totally accurate clock" design.

You are fooling yourself; hanging a GPS receiver off a computer without
the mechanisms embedded in NTP gives you squat, and again, it is NTP not NNTP.

No one uses WWV as a standard for NTP anymore, it's been GPS for years
now.

The totally accurate clock is an interesting toy; for $300-$500 you can
get a complete GPS based NTP server box that keeps the system in the
low milliseconds range.

Go read the following and get back to me:

Mills, D.L. Internet time synchronization: the Network Time Protocol.
IEEE Trans. Communications COM-39, 10 (October 1991), 1482-1493.

Yang, Z., and T.A. Marsland (Eds.). Global States and Time in Distributed
Systems. IEEE Computer Society Press, Los Alamitos, CA, 1994, 91-102.

> Rob
> --
> +---------------------------------+--------------------------------------+
> | Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
> | AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
> +---------------------------------+--------------------------------------+

None of this, however, is in the slightest bit relevent to the original
posting.

--
Jim Pennino

1673. Re: WWV Decode

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-19 20:32:53 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnam2lfl.4j6.nomail@linux.pe1chl.ampr.org>
Source record: 5697

Mark Erbaugh <mark@microenh.com> wrote:
>> In that case, you either need an open-source implementation or a good
>> description of the protocol. It is usually not very difficult to sync
>> to clock signals with moderate accuracy, but I have no experience with
>> WWV (here we use DCF77).

>The time encoding document on the WWV website. It is a simple pulse width
>encoding of a 100 Hz (I thnk) audio tone on the WWV signal. It's quite
>visible when looking at the WWV signal through and audio filter program. It
>takes close to a minute to encode the entire day / time info.

Ok, then it is quite easy to decode it with a soundcard. DCF77 uses a
direct amplitude modulation of the carrier with pulses of 100/200ms so
the demodulation is normally done in hardware and the signal fed to a
COM port, demodulation is then often done in software. The NTP daemon
has built-in software support for that, maybe for WWV as well.

Example of NTP synced to a DCF77 receiver and two Internet NTP sources:

```
remote refid st t when poll reach delay offset jitter
==============================================================================
*GENERIC(0) .DCFa. 0 l 24 64 377 0.000 -1.727 3.720
+fistix.xs4all.n ntp0.NL.net 2 u 17 64 377 14.881 6.338 1.461
+ntp1.NL.net .GPS. 1 u 58 64 377 24.829 5.120 1.519
```

As you can see, in this case the jitter is even less on the Internet
sources than on the local receiver. But that is over an unloaded ADSL
link. When it is busy, the jitter goes way up and so does the offset.
(values are in milliseconds)

Rob
--

```
+---------------------------------+-------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+---------------------------------+-------------------------------------+
```

1674. Re: WWV Decode

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-19 20:37:21 UTC
From: Jim Pennino <jimp@specsol.com>
Message-ID: <ajrku1dpu1@mail.specsol.com>
Source record: 5698

D. Stussy <kd6lvw@bde-arc.ampr.org> wrote:
> On Mon, 19 Aug 2002, Jim Pennino wrote:
>>Rob Janssen <nomail@pe1chl.ampr.org> wrote:
>>> Jim Pennino <jimp@specsol.com> wrote:
>>>>Mark Erbaugh <mark@microenh.com> wrote:
>>>>> Does anyone know of a Windows program that uses a soundcard to decode the
>>>>> time information encoded in the WWV audio and set the computer clock
>>>>> automatically? The signal format is documented on the WWV website. I know
>>>>> there are other ways to get the time, but since the information is there, I
>>>>> figure why not use it?
>>
>>>>> Mark
>>
>>>>Why not?
>>
>>>>Well, you need a receiver, a sound card based decoder, and then time
>>>>syncronization software. You would wind up with a complex system that
>>>>wouldn't be all that accurate.
>>
>>>>Or, you could just run a ntp client on the computer and get good time
>>>>the same way the big boys do.
>>
>>> But then you need an Internet connection!
>>
>>Since he POSTED the question, I would think there is a high probability he HAS
>>an Internet connection.

> Maybe so, but that does not mean that he wants to RELY on that connection.
> Disasters do happen.

<rest snipped>

READ the poster's posts.

He wants to do it as a learning exercise, not for something important.

--
Jim Pennino

1675. Re: WWV Decode

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-19 20:45:16 UTC
From: Ross <rwa@augly.bogons>
Message-ID: <86lm7260ir.fsf@augly.bogons>
Source record: 5699

nomail@pe1chl.ampr.org (Rob Janssen) writes:

> Example of NTP synced to a DCF77 receiver and two Internet NTP sources:

Rob,

I'm sure you remember that there's a (very Sun specific) WWV refclock
implementation in the current NTP sources at UMD. I tried to twist it
up on a FreeBSD4.5-release machine and found that it was very very very
insistent about wanting to be on a Sun; the #ifdefs were adamant. A
slightly closer inspection showed that the truly Sun-dependant bits were
well-localized, and that I was going to need to read the Sun manpages
quite closely to do the port. Then again, I'm not a multimedia person.

But then other things happened, as is often the case :). As to
whether a non-*nix person would find any of this the least bit
relevant, I have no idea. Certainly there would be glory in it,
especially a port to Linux (which I don't run, so don't look at me!)

regards,
Ross ve6pdq

--
Glendower: I can call spirits from the vasty deep.
Hotspur: Why, so can I, or so can any man;
But will they come when you do call for them?

1676. Re: Pactor TNC for Kenwood TS-430s?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-19 20:46:01 UTC
From: sapbasis@iname.com
Message-ID: <8455963.0208191246.182f114c@posting.google.com>
Source record: 5700

What kind of throughput speeds can I expect (ballpark) doing Pactor I
on something like an AEA PK-232 on 20 meters versus an SCS doing
Pactor III?

Thanks,
Todd

"S. Miller" <stemp-removethis-@gstarusa.com> wrote in message
news:<3D60508E.37F6F764@gstarusa.com>...
> Hi Todd,
>
> Pactor I will work with Winlink but I think you will find the throughput
> unacceptable for all but the most minimal amount of traffic. Pactor II
> (and especially Pactor III) is night-and-day better, and pretty much
> required for practical use (and yes, the SCS TNCs are indeed not cheap, a
> situation made worse by the fact that it is pretty rare to find a used one
> for sale - which should tell you something... :-) But that said, Pactor I
> will work if your main interest is getting your feet wet and seeing if the
> system meets your requirements. A 500 hz filter is sometimes handy but not
> at all essential, especially with the DSP-based TNCs which really don't
> care about any audio in the passband other than what they're looking for.
> The filter can help keep nearby QRM out of your receiver's AGC, but this
> won't be a problem all that often. I would save my money on this unless
> your operating experiences indicate that you need it.
>
> Go for it, you will have a lot of fun getting everything set up and
> learning the ropes. If you need low-bandwidth HF email access then I
> believe you will find Winlink/Airmail a very good solution, but if you end
> up using it much you WILL be trading up to an Pactor II TNC sooner or
> later.
>
> Feel free to email me privately if you have any more questions (remove the
> '-removethis-' text from my return address above).
>
> 73,
>
> - Seth
>
>
>
> Todd wrote:
>
> > I have a kenwood ts-430s and I'm interested in trying winlink/airmail
> > for a trip. I'm a complete newbie to digital on HF. I know the
> > SCS-Pactor II TNC's are supposed to be great but a bit pricey for me.

> >
> > So I've been looking at an AEA PK232 since I can get a used one that
> > supports Pactor I for under $100. I understand it will be a lot slower
> > and not as reliable but I figure if I like it I can always sell the
> > AEA and move up to an SCS TNC.
> >
> > I was wondering if people have experience using Winlink/Airmail with
> > these TNC's?
> >
> > Will I need to make my own cable to connect the TNC to my Kenwood
> > TS-430s?
> >
> > Will I need the optional narrow SSB filter as well?
> >
> > Thanks,
> > Todd

1677. Re: WWV Decode

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-19 20:58:04 UTC
From: Jim Pennino <jimp@specsol.com>
Message-ID: <ajrm4s$h8p$1@mail.specsol.com>
Source record: 5551

Mark Erbaugh <mark@microenh.com> wrote:
>> Why not?
>>
>> Well, you need a receiver, a sound card based decoder, and then time
>> syncronization software. You would wind up with a complex system that
>> wouldn't be all that accurate.

> I already have a receiver hooked up to my computer used for other sound card
> based digital modes. I want to learn how to develop such a sound card based
> decoder. I appreciate the need for accuracy where critical timing is made,
> but I'm not concerned with sub-second accuracy. Basically, I am developing
> software to control an HF transceiver (currently a TenTec Pegasus). I plan
> on using the WWV frequency to tweak the frequency calibration (my particular
> transceiver, appears to be about 20 Hz off WWV at 15 MHz). I plan on using
> the soundcard to automatically zero-beat the WWV signal and automatically
> adjust the calibration factors in the software. I figure while it's at it,
> it may as well set the computer clock.

> More than anything it's a challenge for me to learn how to use the soundcard
> from within my own program.

>> If you still want to do this as a home brew project for whatever personal
>> reason, see http://www.eecis.udel.edu/~ntp/ where you can find the ntp
>> code which you can use as the basis for the decoding and time synch parts.

> Thanks for the link.

A couple of other thoughts:

The encoding on WWVB is a bit more straight forward than WWV.

Building a WWVB receiver would be a fun project in itself, or you can
get WWVB synched clocks these days for about $30 and tap into
it and have a wall clock and a computer syncer.

--
Jim Pennino

1678. Re: WWV Decode

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-19 21:26:53 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnam2okt.4j6.nomail@linux.pe1chl.ampr.org>
Source record: 5552

Ross <rwa@augly.bogons> wrote:
>nomail@pe1chl.ampr.org (Rob Janssen) writes:

>> Example of NTP synced to a DCF77 receiver and two Internet NTP sources:

>Rob,

>I'm sure you remember that there's a (very Sun specific) WWV refclock
>implementation in the current NTP sources at UMD. I tried to twist it
>up on a FreeBSD4.5-release machine and found that it was very very very
>insistent about wanting to be on a Sun; the #ifdefs were adamant. A
>slightly closer inspection showed that the truly Sun-dependant bits were
>well-localized, and that I was going to need to read the Sun manpages
>quite closely to do the port. Then again, I'm not a multimedia person.

>But then other things happened, as is often the case :). As to
>whether a non-*nix person would find any of this the least bit
>relevant, I have no idea. Certainly there would be glory in it,
>especially a port to Linux (which I don't run, so don't look at me!)

To have a good reference clock, you need to find the exact time of the
second-pulses of the clock relative to the system clock. Different tricks,
with different accuracy, are used in the example clocks. Generally, the
more accurate it is, the more system-specific it tends to be.

Simple methods like feeding the signal to an RS232 port RXD line on a
serial port set to 50 baud serve well to discriminate between 100ms and
200ms pulses, but the exact timing is muddled by the scheduler that
delays the running of the xntpd process for some time after the character
came in.

Better is to have a dedicated serial driver that e.g. handles a DCD
interrupt, with the pulses connected to the DCD line, and reads the
microsecond or nanosecond clock (which is available in i386 Linux) inside
the interrupt handler, and builds a queue of timestamps for the application
to read. I once had something like this running on my machine, and used it
to do the measurements I mentioned before. I stored RMS values for 1
minute of data, and plotted these for about two years. Very interesting.

However, I lost interest in it and got tired of patching the kernel every
time, so now I use the standard user-mode xntpd with a serial port. This
of course gives a 10ms jitter for every measured seconds pulse, which
averages out to a noticable error that you see in the xntpq (peers) output.

I have a GPS receiver online as well, but only on the serial data line.
So no really usable time comparisons.
Got to connect the PPS sometime, and then compare DCF77 and GPS. I am

soon going to upgrade the system, that is a good time to really connect
this GPS receiver which now dangles on a couple of flying wires.

Rob
--
+---------------------------------+-------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+---------------------------------+-------------------------------------+

1679. Re: WWV Decode

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-19 22:29:25 UTC
From: Ross <rwa@augly.bogons>
Message-ID: <86adnio52y.fsf@augly.bogons>
Source record: 5553

nomail@pe1chl.ampr.org (Rob Janssen) writes:
[heavy snippage]
> Different tricks, with different accuracy, are used in the example clocks.

Agreed. I've certainly learned some from your post. The timestamped
DCD queue idea is elegantly minimalist

Since the base poster mentioned soundcards, I presumed we were in the
domain of radio-to-audio-encoder solutions only. That's why I
mentioned the NTP/WWV refclock; it uses /dev/audio as its point of
ingress.

regards,
Ross ve6pdq

--
Glendower: I can call spirits from the vasty deep.
Hotspur: Why, so can I, or so can any man;
But will they come when you do call for them?

1680. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-20 01:08:44 UTC
From: Gary McAdams <g.m.mcadams@worldnet.att.net>
Message-ID: <wEg89.793$NZ.46480@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5554

Hank Oredson <horedson@att.net> wrote in message >
> NTS certainly cannot handle the amount or type of data
> needed. I keep poking at this only because I think it is
> important that hams move out of the 1930s capability
> and at least make a try at being useful in the modern
> age of digital networking.
>
> "When the internet is down, hams ... do nothing ..."
>
> --
>
> ... Hank
>

Hank,

I agree with the above statement 100%.

The inertia exhibited by the average ham
works against any improvement in the
process of doing anything new.

Some of the OT's would rather die than
give up their old, cherished ways of passing
traffic.

Moving into the digital age would mean that
they would actually have to invest time and...
dare I say it!?! MONEY!

Oh, well... Back to tilting at windmills.

73 Gary WG7X

1681. Re: Pactor TNC for Kenwood TS-430s?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-20 01:34:13 UTC
From: "S. Miller" <stemp-removethis-@gstarusa.com>
Message-ID: <3D619C95.B37F3DEF@gstarusa.com>
Source record: 5555

I don't mean to be equivocal, but the topic is really too complex to lend itself to a simple answer as
throughput will vary dramatically based on many factors. Roughly, Pactor II will be several times faster
than Pactor I, and my on-air experiences with Pactor III indicate a similar improvement over Pactor II.
There is a lot of information available on the SCS web site (www.scs-ptc.com), or if you don't like
trusting a manufacturer for information there are endless generic info sites such as AC6V (http://www.ac6v.com/opmodes.htm#D - click on 'Digital' at the top of the page), plus much more... just
do a search and you will get all the data you can stand. Best for you to read and judge for yourself
because if I give an answer on the newsgroup I will probably receive many friendly flames based on my
estimates, and they would probably be well deserved. Do some research and you will get the picture very
quickly.

- Seth

Todd wrote:

> What kind of throughput speeds can I expect (ballpark) doing Pactor I
> on something like an AEA PK-232 on 20 meters versus an SCS doing
> Pactor III?
>
> Thanks,
> Todd
>
> "S. Miller" <stemp-removethis-@gstarusa.com> wrote in message
news:<3D60508E.37F6F764@gstarusa.com>...
> > Hi Todd,
> >
> > Pactor I will work with Winlink but I think you will find the throughput
> > unacceptable for all but the most minimal amount of traffic. Pactor II
> > (and especially Pactor III) is night-and-day better, and pretty much
> > required for practical use (and yes, the SCS TNCs are indeed not cheap, a
> > situation made worse by the fact that it is pretty rare to find a used one
> > for sale - which should tell you something... :-) But that said, Pactor I
> > will work if your main interest is getting your feet wet and seeing if the
> > system meets your requirements. A 500 hz filter is sometimes handy but not
> > at all essential, especially with the DSP-based TNCs which really don't
> > care about any audio in the passband other than what they're looking for.
> > The filter can help keep nearby QRM out of your receiver's AGC, but this

> > won't be a problem all that often. I would save my money on this unless
> > your operating experiences indicate that you need it.
> >
> > Go for it, you will have a lot of fun getting everything set up and
> > learning the ropes. If you need low-bandwidth HF email access then I
> > believe you will find Winlink/Airmail a very good solution, but if you end
> > up using it much you WILL be trading up to an Pactor II TNC sooner or
> > later.
> >
> > Feel free to email me privately if you have any more questions (remove the
> > '-removethis-' text from my return address above).
> >
> > 73,
> >
> > - Seth
> >
> >
> >
> > Todd wrote:
> >
> > > I have a kenwood ts-430s and I'm interested in trying winlink/airmail
> > > for a trip. I'm a complete newbie to digital on HF. I know the
> > > SCS-Pactor II TNC's are supposed to be great but a bit pricey for me.
> > >
> > > So I've been looking at an AEA PK232 since I can get a used one that
> > > supports Pactor I for under $100. I understand it will be a lot slower
> > > and not as reliable but I figure if I like it I can always sell the
> > > AEA and move up to an SCS TNC.
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> > > I was wondering if people have experience using Winlink/Airmail with
> > > these TNC's?
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> > > Will I need to make my own cable to connect the TNC to my Kenwood
> > > TS-430s?
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> > > Will I need the optional narrow SSB filter as well?
> > >
> > > Thanks,
> > > Todd

1682. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-20 02:04:24 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <Ish89.20708$Ke2.1676593@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5556

"Gary McAdams" <g.m.mcadams@worldnet.att.net> wrote in message
news:wEg89.793$NZ.46480@bgtnsc05-news.ops.worldnet.att.net...
>
> Hank Oredson <horedson@att.net> wrote in message >
> > NTS certainly cannot handle the amount or type of data
> > needed. I keep poking at this only because I think it is
> > important that hams move out of the 1930s capability
> > and at least make a try at being useful in the modern
> > age of digital networking.
> >
> > "When the internet is down, hams ... do nothing ..."
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> >
> > ... Hank
> >
>
> Hank,
>
> I agree with the above statement 100%.
>
> The inertia exhibited by the average ham
> works against any improvement in the
> process of doing anything new.
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> Some of the OT's would rather die than
> give up their old, cherished ways of passing
> traffic.
>
> Moving into the digital age would mean that
> they would actually have to invest time and...
> dare I say it!?! MONEY!
>
> Oh, well... Back to tilting at windmills.
>
> 73 Gary WG7X

Oh oh ... I'm in deep doo doo ... licensed 49 years ago, so guess I'm
an old timer ... but would rather do traffic digital than voice or CW.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1683. Re: Pactor TNC for Kenwood TS-430s?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-20 02:07:03 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <bvh89.20712$Ke2.1677096@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5557

The simple answer: PACTOR I will give you something around
100 bps to 200 bps as an absolute max. PACTOR III *may* give
you as much as 1500 bps. The above depends on a dozen or so
different things, including obtainable data compression ratios,
path quality, interference, S/N, et al.

The simple answer is "LOTS MORE".

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"Todd" <sapbasis@iname.com> wrote in message
news:8455963.0208191246.182f114c@posting.google.com...
> What kind of throughput speeds can I expect (ballpark) doing Pactor I
> on something like an AEA PK-232 on 20 meters versus an SCS doing
> Pactor III?
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> Thanks,
> Todd
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> "S. Miller" <stemp-removethis-@gstarusa.com> wrote in message
news:<3D60508E.37F6F764@gstarusa.com>...
> > Hi Todd,
> >
> > Pactor I will work with Winlink but I think you will find the throughput
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> > your operating experiences indicate that you need it.
> >
> > Go for it, you will have a lot of fun getting everything set up and
> > learning the ropes. If you need low-bandwidth HF email access then I
> > believe you will find Winlink/Airmail a very good solution, but if you end
> > up using it much you WILL be trading up to an Pactor II TNC sooner or

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> > Feel free to email me privately if you have any more questions (remove the
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> > 73,
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> > - Seth
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> > Todd wrote:
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> > > for a trip. I'm a complete newbie to digital on HF. I know the
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> > > Will I need to make my own cable to connect the TNC to my Kenwood
> > > TS-430s?
> > >
> > > Will I need the optional narrow SSB filter as well?
> > >
> > > Thanks,
> > > Todd

1684. Re: Is Packet dead

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-20 02:08:49 UTC
From: James Alexander <james-m-alexander@rogers.com>
Message-ID: <3D61A4D9.10A0F93F@rogers.com>
Source record: 5558

Joseph Fenn wrote:

> Not in my book its not. If your talking about Packet Radio I am
> referring to. In Army MARS its used cross country for all msg
> traffic. Pactor is also in USE in MARS and much more widespread
> now than before because of its efficiency on HF. Both modes
> are sanctioned all over the system from here (Honolulu) to
> Germany and Bosnia and Japan and Korea and Okinawa.
> Internet is merely for exercise traffic. Digital radio is for
> actual emergencies.
> Joe/ABM6JF/ANCS Chiefsnet (Pacific area)
>
> **
> * Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
> **

not in my shack its not either. But I seem to be the only one using it on
70cm.

1685. Re: WWV Decode

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-20 02:21:38 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <SIh89.20731$Ke2.1679249@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5559

Just to bring things back on track a bit.
A couple ideas once you get the time code decoder working.
Decoding the time code lets you know what time it was when
the time code was sent, but ...

Track the time of arrival of the second ticks,
keep running mean and mean deviation.
Track the time between tick arrival vs. system clock.
You now have a view of the change in path length from
you to Boulder, Colorado. (Making some assumptions
about system clock jitter of course, that it is small in 1 second.)
That gives you the height of the reflecting layer in the ionosphere.
You can track this. Mean and mean deviation.
Over long periods of time, the mean will approach the theoretical
path length, which you can calculate using geometry.

Keep track of all of the above, and you can synch rather near
to the actual time, almost all the time.

Of course this is not a new idea, was done many years ago.

LORAN stations still in operation or are they all off air?
Used to be another good source of time.

TV signals are another good time source.
The interesting experiment would involve several channels,
in different directions from your QTH, with path delay estimation
similar to the HF case.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"Mark Erbaugh" <mark@microenh.com> wrote in message
news:um24c6f6qik003@corp.supernews.com...
> Does anyone know of a Windows program that uses a soundcard to decode the
> time information encoded in the WWV audio and set the computer clock
> automatically? The signal format is documented on the WWV website. I know
> there are other ways to get the time, but since the information is there, I
> figure why not use it?
>
> Mark
>
>

1686. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-20 03:47:07 UTC
From: "Peter O. Brackett" <ab4bc@ix.netcom.com>
Message-ID: <ajse3g$7p$1@slb4.atl.mindspring.net>
Source record: 5560

Hank:

[snip]
>
> Oh oh ... I'm in deep doo doo ... licensed 49 years ago, so guess I'm
> an old timer ... but would rather do traffic digital than voice or CW.
>
> --
>
> ... Hank
>
> Hank: http://horedson.home.att.net
> W0RLI: http://w0rli.home.att.net
[snip]

But... but... I guess your not an old enough "old timer" Hank.

CW is digital!

All of modern electrical communications technology started out as digital [Morse] then later it went over to the "dark side" for decades as bad old analog technology with the advent of the telephone [Bell] and now is once again returning to digital [Shannon].

--Peter K1PO
Indialantic By-the-Sea, FL.

1687. Re: WWV Decode

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-20 04:30:35 UTC
From: Gary Coffman <ke4zv@bellsouth.net>
Message-ID: <k0g3mu8am07rsd6gejgcsd5utnukel13o6@4ax.com>
Source record: 5561

On Tue, 20 Aug 2002 02:21:38 GMT, "Hank Oredson" <horedson@att.net> wrote:
>TV signals are another good time source.
>The interesting experiment would involve several channels,
>in different directions from your QTH, with path delay estimation
>similar to the HF case.

TV stations aren't a particularly good time and frequency reference.
The regulations say that we must keep color burst within +/- 10 Hz
and carrier frequency within +/- 1 kHz of their assigned frequencies.
We don't make much effort to stay within less than half of those
tolerances. The station references are typically ordinary crystal
oscillators in simple crystal ovens.

TV waveform timing is critical from source to source, a few nanosecond
error can introduce artifacts when doing effects. But we handle that by
locking all the sources to a common station reference (or just reclocking
everything at the input to a digital effects box). It is the stability and
accuracy of that station reference I'm talking about above. That's what
you'll see receiving an off air signal.

Note, many years ago, the networks used rubidium standards, and
many local stations did too. By adjusting out the Long Lines microwave
path difference, we could switch directly back and forth from local to
network without any timing artifacts. The coming of satellite distribution
of network signals put an end to that. GEO sats aren't really stationary.
They wander around in a box in the sky. This introduces a doppler on
the signal of a few Hz (and the networks switch uplink origination points
several times during the day). So it was no longer practical to keep the
network and local reference in coincidence.

Fortunately at about this time the digital frame synchronizer became
cheap enough that we could put one on every out of house source.
A frame sync digitizes and reclocks the external signal so that it comes
into synchronization with the local station reference. Even if the external
signal's timing were rubidium clock based, that is lost after the signal
goes through the frame sync.

Because of the near universal use of frame syncs, the networks
replaced their rubidium standards with ordinary crystal oscillators
when their rubidium standards broke down. The local stations who
had maintained rubidium standards did the same. So now the best
you're going to get from off the air TV is ovenized crystal oscillator
stability and accuracy, no better than you can easily generate at
home.

Gary

1688. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-20 05:31:48 UTC
From: jfenn@lava.net
Message-ID: <ajsk84jbp1@mochi.lava.net>
Source record: 5562

Et Al Ad Infinitum (Case Closed) viva le paquette e le Pactor!!!!
Kilroy

****
* Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
****

1689. Re: WWV Decode

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-20 06:38:02 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <sol3mu432144timmsib48i8ngadvm3vms1@4ax.com>
Source record: 5563

On Mon, 19 Aug 2002 22:29:25 GMT, Ross <rwa@augly.bogons> wrote:

>nomail@pe1chl.ampr.org (Rob Janssen) writes:
>[heavy snippage]
>> Different tricks, with different accuracy, are used in the example clocks.
>
>Agreed. I've certainly learned some from your post. The timestamped
>DCD queue idea is elegantly minimalist

You can do high accuracy and high resolution timing with much less overhead, if you forget the concept of minutes, seconds etc. in the interrupt service routine. On a Pentium, simply read and save the 64 bit Time Stamp Counter (TSC running at the CPU clock frequency) in the clock pulse interrupt service routine. On other platforms any readable high frequency counter with sufficient bits will do. With a very low interrupt overhead, quite high interrupt rate can be used.

All other processing (such as averaging and conversion to minutes and seconds if needed) can be done in the non-interrupt context. The CPU clock frequency drifts with temperature and there can be all kinds of jitter. With a 1 PPS interrupt, the difference in TSC counts is directly the CPU frequency and after averaging to remove interrupt and clock jitter the average CPU frequency is obtained and the second pulses can be labelled with appropriate hr:min:sec data from other sources.

When some other event needs to be timed, the TSC counter is read and the elapsed count since the last second marker is calculated. The result is divided by the average frequency and added to the hr:min:sec of the previous second marker (if needed). In this way, much of the overhead associated with hr:min:sec.ms processing is avoided and usually some rounding errors can be avoided.

>Since the base poster mentioned soundcards, I presumed we were in the
>domain of radio-to-audio-encoder solutions only. That's why I
>mentioned the NTP/WWV refclock; it uses /dev/audio as its point of
>ingress.

There are similar problems when using sound cards. The sample rate can be quite far from the nominal frequency and there can be quite a lot of drift and jitter in the sampling frequency. Thus, the sampling frequency must be constantly calculated from the incoming timing data e.g. when receiving 1 PPS signals on the left channel and Loran-C on the right channel to get the accurate timing difference between these signals.

I noticed the inaccuracy of the sound card sampling rate the hard way when trying to synchronise to a Loran-C sequence in order to drive a synchronous front end noise blanker to avoid Loran-C splatter at the 137 kHz LF band.

The nominal Loran-C cycle time was usable mainly to avoid false synch, but in order to get multiple cycles aligning with each other (to integrate and improve the SNR), the actual sample rate was quite different from the nominal and also some fractional samples (calculated from adjacent samples) had to be, since the Loran-C cycle was not an integer multiplier of the actual sampling rate.

Paul OH3LWR

1690. Re: WWV Decode

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-20 07:19:18 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnam3rbm.8mg.nomail@linux.pe1chl.ampr.org>
Source record: 5564

Paul Keinanen <keinanen@sci.fi> wrote:
>On Mon, 19 Aug 2002 22:29:25 GMT, Ross <rwa@augly.bogons> wrote:

>>nomail@pe1chl.ampr.org (Rob Janssen) writes:
>>[heavy snippage]
>>> Different tricks, with different accuracy, are used in the example clocks.

>>Agreed. I've certainly learned some from your post. The timestamped
>>DCD queue idea is elegantly minimalist

>You can do high accuracy and high resolution timing with much less
>overhead, if you forget the concept of minutes, seconds etc. in the
>interrupt service routine. On a Pentium, simply read and save the 64
>bit Time Stamp Counter (TSC running at the CPU clock frequency) in the
>clock pulse interrupt service routine. On other platforms any
>readable high frequency counter with sufficient bits will do. With a
>very low interrupt overhead, quite high interrupt rate can be used.

This is of course what I meant in my post with "reading the microsecond
or nanosecond clock". In Linux there is a counter that is incremented
every 10ms and together with that TSC counter it can provide a good
timestamp to be processed in the usermode task that locks the PLL.

There is almost no overhead at interrupt time, but you should consider
the interrupt latency of the system, which can cause the interrupt to
be serviced later than the actual pps pulse occurred.

Indeed, this has all little to do with soundcard processing, which has
other problems.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

1691. Re: WWV Decode

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-20 07:23:36 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnam3rjo.8mg.nomail@linux.pe1chl.ampr.org>
Source record: 5565

Gary Coffman <ke4zv@bellsouth.net> wrote:
>On Tue, 20 Aug 2002 02:21:38 GMT, "Hank Oredson" <horedson@att.net> wrote:
>>TV signals are another good time source.
>>The interesting experiment would involve several channels,
>>in different directions from your QTH, with path delay estimation
>>similar to the HF case.

>TV stations aren't a particularly good time and frequency reference.
>The regulations say that we must keep color burst within +/- 10 Hz
>and carrier frequency within +/- 1 kHz of their assigned frequencies.
>We don't make much effort to stay within less than half of those
>tolerances. The station references are typically ordinary crystal
>oscillators in simple crystal ovens.

That depends on the TV station. There are some (government) TV stations
here in Europe that use a very high precision frequency reference and/or
have locked it to an official standard provided by (government) weight and
measures boards. And other (commercial) stations that don't consider this
worth the trouble. So you need to check first.

Of course, this provides only frequency reference, not time.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

1692. USPN Report [8-02]

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-20 11:00:49 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <Bjp89.2960$Nq1.1299233931@newssvr11.news.prodigy.com>
Source record: 5566

Howdy!

The original script used for the discussion Forum at USPN had a few bugs and security problems, and eventually I threw my hands up and decided to go with different software. Yesterday I installed Ikonboard, which QRZ.COM has had good luck with.

The new USPN forum is nice, but unfortunately, all original posts and user data was lost in the upgrade. At that time, the web site had been online for about five weeks, had 71 members on the Forum and had recieved over 5,000 "hits" during that five-week period. The site got a nice write-up at the ARRL web site, and links to it have appeared at several web pages devoted to amateur packet radio networking.

Now that the problems with the Forum script have been resolved, I am looking for Elmers to keep an eye on the various Support Forums, and help out hams who have questions there. I can do allright for hams on the FlexNet support forum, for example, but am not knowlegable enough to help out hams on the ROSE/FPAC or X1J/NetRom/BPQ forums. The best I can do there, is to point them toward other sources of information. Obviously, those forums would be much more useful if they had somebody in there who knew the subject matter better than I do.

The USPN web site is just a web site, and there are thousands of those... What makes it special are the people who visit or hang out there.

So I am making a call for volunteers. Check in there every once in a while, and see if you can help somebody out! I am looking for Elmers who will do this on a casual basis, but I am also looking for hams who would volunteer thier time to a particular support forum at USPN and take over the responsibility of moderating that discussion. The "try-outs" for those positions at USPN will occur on the support forums. Do a good job there, show up regularly, and I'll be pestering you to officially join the USPN staff as an Elmer/Moderator.

I have recieved offers of financial support for USPN, but to be honest, it doesn't cost an awful lot to run that site. Keep your money, because what is really needed is a little bit of your time.

USPN is dedicated to amateur packet radio networkers in the USA, hams who step aside from the various discussions of theory long enough to go out there and build network. This applies to individuals who run a single node, just as much as it applies to packet networking organizations that have dozens of nodes covering several states, and the digital HF operators whose efforts tie the various VHF/UHF networks together.

Since putting the site online, I have heard from many hams and networkers. I originally thought that I would be showcasing the efforts of just one or two remaining digital groups, but I have since found out better! There are viable, active, growing packet networks all over the United States, and thousands of hams out there who are dusting off their TNC's and warming them up again, in order to see what kind of activity is in their area. Not only is packet in the U.S. coming back to life again, but it turns out that rumours of the U.S. packet network's death were greatly exaggerated!

A lot of hams have helped me out with the USPN site, letting me know about interesting links and making suggestions about the site that have turned out to be very useful. I could still use some help in that area, but what I would most like to see are some volunteers who will oversee the activity on some of the support forums.

Also: Not all of the packet networking groups have web-sites, and so are not listed at USPN. If your network is not represented on the web, just send me some information about your network along with the adderess\addresses of a contact person, and I'll be glad to list your network on the USPN Network page.

Tell us about your network!

USPN: http://www.uspacket.net

Charles, N5PVL webmaqster@uspacket.net

1693. Re: Soundcard programming

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-20 12:22:01 UTC
From: John Hague <j0hnhague@nospamnetscape.net>
Message-ID: <3D623469.42B393EC@nospamnetscape.net>
Source record: 5567

Mark Erbaugh wrote:

> I am interested in learning how to program a Windows soundcard for various
> communications modes and related tasks. I have downloaded and used programs
> that support modes such as RTTY, PSK31 and SSTV, but I would like to learn
> to 'roll my own'. I am a competent Borland Delphi programmer and can write
> programs that talk to Windows or Soundcard DLLs or other low level
> interfaces when needed.
>
> Is there a good reference book or online site to get me started?
>
> Thanks and 73,
> Mark, N8ME

I've found the site http://www.relisoft.com to be very good. It provides source code for an audio FFT analyser and explains the working of the modules within the project.

Hope you find this to be of help.

73
John, G4GOY

1694. Re: Soundcard programming

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-20 12:47:30 UTC
From: Mark Erbaugh <mark@microenh.com>
Message-ID: <um4eg34unu8531@corp.supernews.com>
Source record: 5568

John,

> I've found the site http://www.relisoft.com to be very good. It provides
> source code for an audio FFT analyser and explains the working of the
modules
> within the project.

Thanks. That looks like the kind of info I was seeking.

73,
Mark

1695. EMail / Internet over Amateur Radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-20 19:38:31 UTC
From: Mark Erbaugh <mark@microenh.com>
Message-ID: <um56fuelje5h9a@corp.supernews.com>
Source record: 5569

Please help me think through the use of Amateur Radio for connectivity to the Internet or to get EMail. This was somewhat prompted by KH6TY's OpEd piece in the September, 2002 QST.

I have heard of people who get their Amateur Radio licenses mainly so they can use WinLink or similar ham radio networks to get their EMail while travelling (sailing, RV's, etc).

Some of these people probably aren't radio hobbyists per se, they are mainly interested in using ham radio as an alternative to paying for a commercial wireless email service. This is actually a violation of the FCC regulations. Under Part 97.113 paragraph 5 says that "No amatuer station shall transmit ... Communications, on a regular basis, which could reasonably be furnished alternatively through other radio services."

On the other hand, as amateurs, we need to experiment and keep up with advances in technology such as digital networking. In order to test our developments and ensure that they will work as backups in a communications emergency, we need to operate such networks under somewhat 'real world' conditions and these users provide that kind of testing.

Without usage of the frequencies by such networks, we run the risk of losing our frequency allocations. Also, some of the people who get an amateur radio license for this purpose may eventually move into more traditional usage of ham radio.

I suppose similar arguments could be made of much of the PSK31 traffic and SSB communications where people get on to talk to friends, but at least that is communication between hams. In the traveling email scenario, much of the communication is third party traffic.

Just some thoughts / questions
Mark

1696. MFJ 1278 B and Multicomm v 1.6.2 by CSSI

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-21 00:13:53 UTC
From: "news-server.ec.rr.com" <lsbean@gibralter.net>
Message-ID: <5XA89.35624$Xa.1648607@twister.southeast.rr.com>
Source record: 5570
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.digital

Has anyone out there used the MFJ 1278 B and Multicomm v1.6.2 to work PSK31. I purchased this software and the soundcard interface cable along with the tnc from MFJ. The software always ends up locking up when in soundcard modes. I've tried it using Microsoft XP and also ME. I've tried it with Soundblaster card and onboard sound. I've tried every possible configuration. I currently am running it on a Compaq Presario 1.6ghz box with 512 mb ram. Every computer I've run it on it uses 98% or better of the processor and ends up crashing. I'm not getting any help from the programmer. Let me know your experience with this software/tnc combination.

TIA,

Loy Bean
KN4SA

1697. Re: MFJ 1278 B and Multicomm v 1.6.2 by CSSI

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-21 02:55:10 UTC
From: Ralph Mowery <rmowery@cetlink.net>
Message-ID: <ajuvob$13fi$1@newsreader.cetlink.net>
Source record: 5571
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.digital

Have you tried any other softwear to see if it will work ?

Loads of very good free stuff here.

http://www.muenster.de/%7Ewelp/sb.htm

"news-server.ec.rr.com" <lsbean@gibralter.net> wrote in message
news:5XA89.35624$Xa.1648607@twister.southeast.rr.com...
> Has anyone out there used the MFJ 1278 B and Multicomm v1.6.2 to work
PSK31.
> I purchased this software and the soundcard interface cable along with the
> tnc from MFJ. The software always ends up locking up when in soundcard
> modes. I've tried it using Microsoft XP and also ME. I've tried it with
> Soundblaster card and onboard sound. I've tried every possible
> configuration. I currently am running it on a Compaq Presario 1.6ghz box
> with 512 mb ram. Every computer I've run it on it uses 98% or better of
the
> processor and ends up crashing. I'm not getting any help from the
> programmer. Let me know your experience with this software/tnc
combination.
>
> TIA,
>
> Loy Bean
> KN4SA
>
>

1698. Re: MFJ 1278 B and Multicomm v 1.6.2 by CSSI

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-21 03:23:16 UTC
From: "news-server.ec.rr.com" <lsbean@gibralter.net>
Message-ID: <EID89.36955$Xa.1676934@twister.southeast.rr.com>
Source record: 5572
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.digital

Ralph,

I am interested in the MFJ interface. I know I can use other software with probably better results. But, I am interested in the version software and hardware I mentioned from other possible users. Thanks anyway.

Loy

"Ralph Mowery" <rmowery@cetlink.net> wrote in message news:ajuvob$13fi$1@newsreader.cetlink.net...
> Have you tried any other softwear to see if it will work ?
>
> Loads of very good free stuff here.
>
> http://www.muenster.de/%7Ewelp/sb.htm
>
>
> "news-server.ec.rr.com" <lsbean@gibralter.net> wrote in message
> news:5XA89.35624$Xa.1648607@twister.southeast.rr.com...
> > Has anyone out there used the MFJ 1278 B and Multicomm v1.6.2 to work
> PSK31.
> > I purchased this software and the soundcard interface cable along with
the
> > tnc from MFJ. The software always ends up locking up when in soundcard
> > modes. I've tried it using Microsoft XP and also ME. I've tried it
with
> > Soundblaster card and onboard sound. I've tried every possible
> > configuration. I currently am running it on a Compaq Presario 1.6ghz
box
> > with 512 mb ram. Every computer I've run it on it uses 98% or better of
> the
> > processor and ends up crashing. I'm not getting any help from the
> > programmer. Let me know your experience with this software/tnc
> combination.
> >
> > TIA,
> >
> > Loy Bean
> > KN4SA
> >
> >
>

1699. WinAPRS and Kenwood Tm-D700

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-21 04:25:44 UTC
From: Larry williams <larry_duke_williams@hotmial.com>
Message-ID: <Xns9270EE54A7BAFlarrydukewilliamshot@216.168.3.40>
Source record: 5573

Can anyone provide information on how to configure WinAPRS to work with the Kenwood TM-D700 and it's built-in TNC, or point me in the right direction? I'm stumped.

1700. Re: WinAPRS and Kenwood Tm-D700

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-21 09:26:19 UTC
From: Roger Barker <roger@peaksys.co.uk>
Message-ID: <HICy8gA7y1Y9Ewcv@peaksys.co.uk>
Source record: 5574

In article <Xns9270EE54A7BAFlarrydukewilliamshot@216.168.3.40>, Larry
williams <larry_duke_williams@hotmial.com> writes
>Can anyone provide information on how to configure WinAPRS to work with the
>Kenwood TM-D700 and it's built-in TNC, or point me in the right direction?

1. Put the TM-D700 into "TNC PKT" mode (see the manual).

2. In WinAPRS, set the baud rate to 9600, and I think you will find
there is a Kenwood or TM-D700 TNC type that you can select.

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

1701. Re: WinAPRS and Kenwood Tm-D700

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-21 11:15:53 UTC
From: Larry williams <larry_duke_williams@hotmial.com>
Message-ID: <Xns92713FBAB374Dlarrydukewilliamshot@216.168.3.40>
Source record: 5575

Roger Barker <roger@peaksys.co.uk> wrote in
news:HICy8gA7y1Y9Ewcv@peaksys.co.uk:

>
> 1. Put the TM-D700 into "TNC PKT" mode (see the manual).
>
> 2. In WinAPRS, set the baud rate to 9600, and I think you will find
> there is a Kenwood or TM-D700 TNC type that you can select.
>

That's what I've been trying, but when i try to "open" the TNC, it keeps
failing. It's weird.

1702. Re: Packet radio controlled by PDA?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-21 12:21:59 UTC
From: Thomas Talley <talleyt@ka9qpg.net>
Message-ID: <KBL89.2975$Tj3.1665039@news.uswest.net>
Source record: 5576

Not sure by what you mean by "controlled", but I have been using my PocketPC and a terminal program to "talk" to my TNC. I am in the process of working a PocketPC CAT for my FT-817.

Thomas KA9QPG

"Dianne & Brent" <bromo@ix.netcom.com> wrote in message news:B9856589.5136%bromo@ix.netcom.com...
> Does anyone know of a packet station that can be controlled by a PDA instead
> of a PC? Has anyone done it?
>
> Thanks,
> Brent
> N0RZU
>

1703. Simpel 20 m Transmitter

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-21 12:29:56 UTC
From: Andreas Weller <weller@andreas-weller.de>
Message-ID: <ak013v$m3f$05$1@news.t-online.com>
Source record: 5577
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.homebrew

Hallo!

I'm looking for schematics for an easy to build simple Transmitter for 20 m.
I want to take it on holiday for PSK31. So it can be on the fixed frequency
14.070 MHz.
I know that there are schematics for such a device out there - but I didn't
find it.

Thank you very much!

73 de DF1PAW, Andreas Weller

1704. Re: WinAPRS and Kenwood Tm-D700

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-21 12:59:35 UTC
From: Roger Barker <roger@peaksys.co.uk>
Message-ID: <CFRjPUA364Y9EwMc@peaksys.co.uk>
Source record: 5578

In article <Xns92713FBAB374Dlarrydukewilliamshot@216.168.3.40>, Larry
williams <larry_duke_williams@hotmial.com> writes
>Roger Barker <roger@peaksys.co.uk> wrote in
>news:HICy8gA7y1Y9Ewcv@peaksys.co.uk:
>
>>
>> 1. Put the TM-D700 into "TNC PKT" mode (see the manual).
>>
>> 2. In WinAPRS, set the baud rate to 9600, and I think you will find
>> there is a Kenwood or TM-D700 TNC type that you can select.
>>
>
>That's what I've been trying, but when i try to "open" the TNC, it keeps
>failing. It's weird.

Failing in what way? I thought WinAPRS would "open" the TNC even if
there wasn't a TNC connected.

Try connecting to the TM-D700 from a terminal program - HyperTerminal or
whatever - and see if you can communicate with the TNC.

(Presumably you are using a straight-through cable?)

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

1705. Re: EMail / Internet over Amateur Radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-21 13:26:33 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3D639509.FF7004E0@crosslink.net>
Source record: 5579

Mark Erbaugh wrote:
>
> Please help me think ...
>
> I have heard of people who get their Amateur Radio licenses mainly so they
> can use WinLink or similar ham radio networks to get their EMail while
> travelling (sailing, RV's, etc).

I doubt their numbers are very large. "Airmail" is HF, requiring a
General or higher class license. There are missionaries who got licensed
in order to carry out church business but the number is noise level. I
suspect it's the same with email.
>
> Some of these people probably aren't radio hobbyists per se, they are mainly
> interested in using ham radio as an alternative to paying for a commercial
> wireless email service. This is actually a violation of the FCC regulations.
> Under Part 97.113 paragraph 5 says that "No amatuer station shall transmit
> ... Communications, on a regular basis, which could reasonably be furnished
> alternatively through other radio services."

Please tell me more about these wireless email services. I'm looking
forward to some extensive travel in a few years and 'airmail' is
typically limited to some 300 baud.

Given this rule, whuffo FCC allows autopatch on repeaters?

>
> On the other hand, as amateurs, we need to experiment ..
>
> .... Also, some of the people who get an amateur radio
> license for this purpose may eventually move into more traditional usage of
> ham radio.
>
> I suppose similar arguments could be made of much of the PSK31 traffic and
> SSB communications where people get on to talk to friends,....

Our views of Amateur Radio differ. I see the spectrum as a piece of
public property, parceled out to various users by the FCC to prevent
chaos. Portions of it, including the amateur bands, have been designated
for recreation just as some federal lands are set aside for parks, etc.
For some, the enjoyment we get from this comes from experimentation, or
from providing public services but others derive theirs from rag chews,
contesting, et al. The only 'sin' is failing to have fun!

73, K3DWW

1706. Re: EMail / Internet over Amateur Radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-21 18:50:43 UTC
From: "Peter O. Brackett" <ab4bc@ix.netcom.com>
Message-ID: <ak0ndp$7jb$1@slb6.atl.mindspring.net>
Source record: 5580

Mark:

I agree with your views.

My own view of the amateur radio spectrum is similar to my view of the National Parks, with the FCC in the role of the Park Service.

The spectral space represented by the ham bands is set aside for the enjoyment of the citizens and for the protection and preservation of a certain percentage of spectrum from overdevelopment by commercial interests.

The entry "fee" into the "Ham Bands National Park" is simply the effort required to pass the test and get an amateur radio license.

And the only "sin", as you point out below, is the failure of those authorized visitors to the park to enjoy themselves and have fun.

In the national parks one can enjoy themselves by, driving, sightseeing, camping, hiking, fishing, canoeing, hunting, photography, mountain climbing, airboat riding, etc... In the ham bands one can enjoy themselves by: operating, rag-chewing, contesting, DXing, data networking, image communications, EME, etc... designing and building equipment, testing equipment, experimenting, public service, etc...

The only invalid uses of the "Ham Bands National Park" are those that involve: destruction of the habitat, grafitti, littering, commercial exploitation, etc...

--Peter K1PO

"Vito" <vito@crosslink.net> wrote in message
news:3D639509.FF7004E0@crosslink.net...
> Mark Erbaugh wrote:
> >
> > Please help me think ...
> >
> > I have heard of people who get their Amateur Radio licenses mainly so
they
> > can use WinLink or similar ham radio networks to get their EMail while
> > travelling (sailing, RV's, etc).
>
> I doubt their numbers are very large. "Airmail" is HF, requiring a
> General or higher class license. There are missionaries who got licensed
> in order to carry out church business but the number is noise level. I
> suspect it's the same with email.
> >
> > Some of these people probably aren't radio hobbyists per se, they are

mainly
> > interested in using ham radio as an alternative to paying for a
commercial
> > wireless email service. This is actually a violation of the FCC
regulations.
> > Under Part 97.113 paragraph 5 says that "No amatuer station shall
transmit
> > ... Communications, on a regular basis, which could reasonably be
furnished
> > alternatively through other radio services."
>
> Please tell me more about these wireless email services. I'm looking
> forward to some extensive travel in a few years and 'airmail' is
> typically limited to some 300 baud.
>
> Given this rule, whuffo FCC allows autopatch on repeaters?
>
> >
> > On the other hand, as amateurs, we need to experiment ..
> >
> > .... Also, some of the people who get an amateur radio
> > license for this purpose may eventually move into more traditional usage
of
> > ham radio.
> >
> > I suppose similar arguments could be made of much of the PSK31 traffic
and
> > SSB communications where people get on to talk to friends,....
>
> Our views of Amateur Radio differ. I see the spectrum as a piece of
> public property, parceled out to various users by the FCC to prevent
> chaos. Portions of it, including the amateur bands, have been designated
> for recreation just as some federal lands are set aside for parks, etc.
> For some, the enjoyment we get from this comes from experimentation, or
> from providing public services but others derive theirs from rag chews,
> contesting, et al. The only 'sin' is failing to have fun!
>
> 73, K3DWW

1707. Re: MFJ 1278 B and Multicomm v 1.6.2 by CSSI

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-21 20:57:48 UTC
From: Ralph Mowery <rmowery@cetlink.net>
Message-ID: <ak0v5k$1bb3$1@newsreader.cetlink.net>
Source record: 5581
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.digital

I should have remembered the 1278 was not just a sound card interface like the Rig Blaster, but a TNC. I was just thinking you might try another program just to see if the sound card interface was working or if it was the Multicom program giving the problem.

"news-server.ec.rr.com" <lsbean@gibralter.net> wrote in message news:EID89.36955$Xa.1676934@twister.southeast.rr.com...
> Ralph,
>
> I am interested in the MFJ interface. I know I can use other software with
> probably better results. But, I am interested in the version software and
> hardware I mentioned from other possible users. Thanks anyway.
>

1708. Re: EMail / Internet over Amateur Radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-21 21:21:09 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <9vT89.24262$Ke2.1883685@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5582

Whatever your own view might be, here is the reality.

S 97.1 Basis and purpose.
The rules and regulations in this Part are designed to provide an
amateur radio service having a fundamental purpose as expressed in the
following principles:
(a) Recognition and enhancement of the value of the amateur service to
the public as a voluntary noncommercial communication service, particularly
with respect to providing emergency communications.
(b) Continuation and extension of the amateur's proven ability to
contribute to the advancement of the radio art.
(c) Encouragement and improvement of the amateur service through rules
which provide for advancing skills in both the communications and technical
phases of the art.
(d) Expansion of the existing reservoir within the amateur radio service
of trained operators, technicians, and electronics experts.
(e) Continuation and extension of the amateur's unique ability to
enhance international goodwill.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"Peter O. Brackett" <ab4bc@ix.netcom.com> wrote in message
news:ak0ndp$7jb$1@slb6.atl.mindspring.net...
> Mark:
>
> I agree with your views.
>
> My own view of the amateur radio spectrum is similar to my view of the
> National Parks, with the FCC in the role of the Park Service.
>
> The spectral space represented by the ham bands is set aside for the
> enjoyment of the citizens and for the protection and preservation of a
> certain percentage of spectrum from overdevelopment by commercial interests.
>
> The entry "fee" into the "Ham Bands National Park" is simply the effort
> required to pass the test and get an amateur radio license.
>
> And the only "sin", as you point out below, is the failure of those
> authorized visitors to the park to enjoy themselves and have fun.
>
> In the national parks one can enjoy themselves by, driving, sightseeing,

> camping, hiking, fishing, canoeing, hunting, photography, mountain climbing,
> airboat riding, etc... In the ham bands one can enjoy themselves by:
> operating, rag-chewing, contesting, DXing, data networking, image
> communications, EME, etc... designing and building equipment, testing
> equipment, experimenting, public service, etc...
>
> The only invalid uses of the "Ham Bands National Park" are those that
> involve: destruction of the habitat, grafitti, littering, commercial
> exploitation, etc...
>
> --Peter K1PO
>
>
> "Vito" <vito@crosslink.net> wrote in message
> news:3D639509.FF7004E0@crosslink.net...
> > Mark Erbaugh wrote:
> > >
> > > Please help me think ...
> > >
> > > I have heard of people who get their Amateur Radio licenses mainly so
> they
> > > can use WinLink or similar ham radio networks to get their EMail while
> > > travelling (sailing, RV's, etc).
> >
> > I doubt their numbers are very large. "Airmail" is HF, requiring a
> > General or higher class license. There are missionaries who got licensed
> > in order to carry out church business but the number is noise level. I
> > suspect it's the same with email.
> > >
> > > Some of these people probably aren't radio hobbyists per se, they are
> mainly
> > > interested in using ham radio as an alternative to paying for a
> commercial
> > > wireless email service. This is actually a violation of the FCC
> regulations.
> > > Under Part 97.113 paragraph 5 says that "No amatuer station shall
> transmit
> > > ... Communications, on a regular basis, which could reasonably be
> furnished
> > > alternatively through other radio services."
> >
> > Please tell me more about these wireless email services. I'm looking
> > forward to some extensive travel in a few years and 'airmail' is
> > typically limited to some 300 baud.
> >
> > Given this rule, whuffo FCC allows autopatch on repeaters?
> >
> > >
> > > On the other hand, as amateurs, we need to experiment ..
> > >

> > > .... Also, some of the people who get an amateur radio
> > > license for this purpose may eventually move into more traditional usage
> of
> > > ham radio.
> > >
> > > I suppose similar arguments could be made of much of the PSK31 traffic
> and
> > > SSB communications where people get on to talk to friends,....
> >
> > Our views of Amateur Radio differ. I see the spectrum as a piece of
> > public property, parceled out to various users by the FCC to prevent
> > chaos. Portions of it, including the amateur bands, have been designated
> > for recreation just as some federal lands are set aside for parks, etc.
> > For some, the enjoyment we get from this comes from experimentation, or
> > from providing public services but others derive theirs from rag chews,
> > contesting, et al. The only 'sin' is failing to have fun!
> >
> > 73, K3DWW
>
>

1709. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-21 22:02:44 UTC
From: Dave Allen <david_e_allen@agilent.com>
Message-ID: <3D640E04.5080902@agilent.com>
Source record: 5583

And some of us oldtimers HAVE supplemented our old, cherished ways of passing traffic and have set up an NTS digital network using pactor http://wb0taq-twn.home.att.net/ntsd.html We pass NTS traffic to all corners of north america every day, digitally.

This is a bit off the topic of packet (since it's based on pactor), but I thought Gary should know that some of us have invested time and (dare I say it) money to nudge NTS into (at least) the 20th century. :-) And several of the pactor MBO's are also tied to vhf packet networks, eg KW1U and K1WU.

dave, wb0taq, colorado

Gary McAdams wrote:

>Hank Oredson <horedson@att.net> wrote in message >
>
>>NTS certainly cannot handle the amount or type of data
>>needed. I keep poking at this only because I think it is
>>important that hams move out of the 1930s capability
>>and at least make a try at being useful in the modern
>>age of digital networking.
>>
>>"When the internet is down, hams ... do nothing ..."
>>
>>--
>>
>> ... Hank
>>
>
>Hank,
>
>I agree with the above statement 100%.
>
>The inertia exhibited by the average ham
>works against any improvement in the
>process of doing anything new.
>
>Some of the OT's would rather die than
>give up their old, cherished ways of passing
>traffic.
>
>Moving into the digital age would mean that
>they would actually have to invest time and...
>dare I say it!?! MONEY!

>
>Oh, well... Back to tilting at windmills.
>
>73 Gary WG7X
>

1710. Re: Soundcard programming

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-21 22:12:46 UTC
From: treynolds@my-deja.com
Message-ID: <ad7a9af4.0208211412.b18720b@posting.google.com>
Source record: 5584

"Mark Erbaugh" <mark@microenh.com> wrote in message
news:<um24c56bm0kg02@corp.supernews.com>...
> I am interested in learning how to program a Windows soundcard for various
> communications modes and related tasks. I have downloaded and used programs
> that support modes such as RTTY, PSK31 and SSTV, but I would like to learn
> to 'roll my own'. I am a competent Borland Delphi programmer and can write
> programs that talk to Windows or Soundcard DLLs or other low level
> interfaces when needed.
>
> Is there a good reference book or online site to get me started?
>
> Thanks and 73,
> Mark, N8ME
A couple of years ago I went to the Creative Labs website and
downloaded a complete programmers reference. It contains everything
you need. I just did a quick look on their website and couldn't find
it. When I get home I will look to see if I have an electronic
version of it (I know I have the hardcopy).

Tom
treynolds@NOSPAMsaintmail.net (ignore above address when responding
directly).

1711. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-21 22:37:19 UTC
From: Gary McAdams <g.m.mcadams@worldnet.att.net>
Message-ID: <zCU89.24407$Ke2.1889619@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5585

How nice for you...

There is an exception to every rule...

Dave Allen <david_e_allen@agilent.com>
This is a bit off the topic of packet (since it's based on pactor), but I thought Gary should know that some of us have invested time and (dare I say it) money to nudge NTS into (at least) the 20th century. :-)

1712. New Radio Show--No Copyright

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-22 00:21:40 UTC
From: zyclnb@aol.com
Message-ID: <20020821202140.01612.00001444@mb-ff.aol.com>
Source record: 5586

"THE VONBLUVENS SHOW"

http://www.racistaction.com

1713. APRS and Geo Cache

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-22 02:48:09 UTC
From: K&#65533;HB <KAYZEROHANDSOMEBOY@ELECTRICSMOKE.NET>
Message-ID: <JhY89.1838$yd1.152596@newsread2.prod.itd.earthlink.net>
Source record: 5587
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.misc

These two seem like a 'natural combination' of hobbies. Anyone working them together?

&#65533;&#65533;&#65533; 73, de Hans, K0HB
SOC # 291 http://www.qsl.net/soc
--
There is no voodoo or magic associated with RF propagation. There are several perfectly sound technical reasons why it is beneficial to occasionally sacrifice a goat in your antenna field.

1714. PSK31 on HP320LX, anyone tried??

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-22 07:23:47 UTC
From: kl0an <pauljordan@gci.net>
Message-ID: <um94hio9pgs776@corp.supernews.com>
Source record: 5588

I'm looking to hook up my HP 320 LX into a PSK31 station with a PCMCIA soundcard, a rigblaster or equal, and then my ICOM 706. This will be a very small mobile PSK31 station. Has anyone tried this?? If so, some questions:

What software did you try and what were the results??
What PCMCIA Sound Card did you try and what were the results??
Any suggestions??

I know the HP 320 LX is a great little packet computer but, I want to try and go for something a little more useful.

Any help is greatly appreciated.

73
Paul Jordan
kl0an

1715. Wanted: Schematics of DTR192

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-22 09:33:58 UTC
From: Walter Muth <dk1bn@amsat.org>
Message-ID: <3D64B006.1040108@amsat.org>
Source record: 5589

Hello ,

need schematics for DTR 192 transceiver(Azden?) (70cm transceiver with built in TNC).

Thanks in advance for your help.

73
Walt
DK1BN

1716. 603 beam and tower 4sale

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-22 10:39:34 UTC
From: Jeff <j.dauphinais@worldnet.att.net>
Message-ID: <Gb399.5859$NZ.325220@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5590
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.ham-radio.swap,rec.radio.cb

I have for sale 1 full size "HY-Gain" beam 10 meters. fully assembled for your inspection. 13' Boom and longest element is 22' $100.00 I also have a steel tower totaling 25'. this is in 3 sections 1 10 foot st8 and 1 5foot st8 and 1 10 foot top section. I don't not have a rotator. $50.00. pickup only from Nashua,NewHampshire. I am selling these because they are to big for my new QTH. This beam has spent a large portion of its life in storage. 73's Jeff AA1GR

1717. Linux CLI PSK 31 program?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-22 20:07:59 UTC
From: "Dave Hunt"
Message-ID: <m0lm6y3bd5.fsf@localhost.localdomain>
Source record: 5591

I'm looking for a commandline PSK31 program that runs on Linux.

TNX,

Dave wx1g

1718. Re: PSK31 on HP320LX, anyone tried??

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-22 20:19:04 UTC
From: James Horn <jimhorn@svn.net>
Message-ID: <3d654738@news.svn.net>
Source record: 5592

Hello, Paul -

I very much doubt that the 320 is up to the task. All the PSK31 software I know of is written for Pentium architecture computers. The HP320LX CPU is a Hitachi SH-3 running at 44MHz. It can't run software written for regular Windows or DOS machines (i.e. 80x86 based). And I'd very strongly suspect that it doesn't have the speed to do the digital signal processing that PSK31 software demands.

The limitation isn't the soundcard. The software does a tremendous amount of computation for each sample of the sound (at least 8000 times a second, sending or receiving). With its built-in floating point hardware, superscalar integer processing, and high clock rates, a capable Pentium, Pentium 2, Pentium 3, Celeron, etc. can keep up. The SH-3 is a fine chip but nowhere near the same performance.

If there was such a thing as a PSK31 'TNC' you'd only need the 320 to act as a serial terminal (which software is built in). But with the setup you describe, you're out of luck.

No, I can't prove it's impossible - and I hope someone shows me wrong! But having dealt with digital signal processing since '75, SH-3 HHCs since '98, and such, I won't hold my breath.

Sorry about this!!!

Jim Horn, WB9SYN/6

1719. Re: PSK31 on HP320LX, anyone tried??

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-22 20:34:29 UTC
From: Ralph Mowery <rmowery@cetlink.net>
Message-ID: <ak3i5m$52a$1@newsreader.cetlink.net>
Source record: 5594

I don't know what a HP320 is but I have ran the 'origional' PSK 31 program
on a 466DX4/100. That was under dos 6.x and win 3.11.

"James Horn" <jimhorn@svn.net> wrote in message
news:3d654738@news.svn.net...
> Hello, Paul -
>
> I very much doubt that the 320 is up to the task. All the PSK31 software
> I know of is written for Pentium architecture computers. The HP320LX CPU
> is a Hitachi SH-3 running at 44MHz. It can't run software written for
> regular Windows or DOS machines (i.e. 80x86 based). And I'd very strongly
> suspect that it doesn't have the speed to do the digital signal processing
> that PSK31 software demands.
>
>

1720. Re: Simpel 20 m Transmitter

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-22 20:36:32 UTC
From: ghldbrd@ccp.com
Message-ID: <598dc4be.0208221236.2c16fcd3@posting.google.com>
Source record: 5593
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.homebrew

"Andreas Weller" <weller@andreas-weller.de> wrote in message
news:<ak013v$m3f$05$1@news.t-online.com>...
> Hallo!
>
> I'm looking for schematics for an easy to build simple Transmitter for 20 m.
> I want to take it on holiday for PSK31. So it can be on the fixed frequency
> 14.070 MHz.
> I know that there are schematics for such a device out there - but I didn't
> find it.
>
> Thank you very much!
>
> 73 de DF1PAW, Andreas Weller

You'll need a SSB transmitter of some sort and that rules out the simple part.

Gary Hildebrand WA7KKP

1721. Re: Simpel 20 m Transmitter

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-22 22:28:51 UTC
From: "John S. MacKay" <k35454@direct.ca>
Message-ID: <umarcnfdmm62de@corp.supernews.com>
Source record: 5596
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.homebrew

Gary hildebrand <ghldbrd@ccp.com> wrote in message
news:598dc4be.0208221236.2c16fcd3@posting.google.com...
> "Andreas Weller" <weller@andreas-weller.de> wrote in message
news:<ak013v$m3f$05$1@news.t-online.com>...
> > Hallo!
> >
> > I'm looking for schematics for an easy to build simple Transmitter for
20 m.
> > I want to take it on holiday for PSK31. So it can be on the fixed
frequency
> > 14.070 MHz.
> > I know that there are schematics for such a device out there - but I
didn't
> > find it.
> >
> > Thank you very much!
> >
> > 73 de DF1PAW, Andreas Weller
>
> You'll need a SSB transmitter of some sort and that rules out the simple
part.
>
> Gary Hildebrand WA7KKP

Is there SSB on 14.070 ?

1722. Re: 603 beam and tower 4sale

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-22 22:53:51 UTC
From: richcranus@yahoo.com
Message-ID: <c5ecbb69.0208221453.2ed07659@posting.google.com>
Source record: 5595
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.ham-radio.swap,rec.radio.cb

"Jeff" <j.dauphinais@worldnet.att.net> wrote in message
news:<Gb399.5859$NZ.325220@bgtnsc05-news.ops.worldnet.att.net>...
> I have for sale 1 full size "HY-Gain" beam 10 meters. fully assembled
> for your inspection. 13' Boom and longest element is 22' $100.00 I also
> have a steel tower totaling 25'. this is in 3 sections 1 10 foot st8 and 1
> 5foot st8 and 1 10 foot top section. I don't not have a rotator. $50.00.
> pickup only from Nashua,NewHampshire. I am selling these because they are to
> big for my new QTH. This beam has spent a large portion of its life in
> storage. 73's Jeff AA1GR

"don't not"? A double negative means you HAVE a rotator?

1723. Re: Simpel 20 m Transmitter

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-22 23:41:27 UTC
From: Gary Coffman <ke4zv@bellsouth.net>
Message-ID: <uitamugnmjpminlk9mnrvdt5ospunt2d6f@4ax.com>
Source record: 5597
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.homebrew

On Thu, 22 Aug 2002 15:28:51 -0700, "John S. MacKay" <k35454@direct.ca> wrote:
>Gary hildebrand <ghldbrd@ccp.com> wrote in message
>news:598dc4be.0208221236.2c16fcd3@posting.google.com...
>> "Andreas Weller" <weller@andreas-weller.de> wrote in message
>news:<ak013v$m3f$05$1@news.t-online.com>...
>> > Hallo!
>> >
>> > I'm looking for schematics for an easy to build simple Transmitter for
>20 m.
>> > I want to take it on holiday for PSK31. So it can be on the fixed
>frequency
>> > 14.070 MHz.
>> > I know that there are schematics for such a device out there - but I
>didn't
>> > find it.
>> >
>> > Thank you very much!
>> >
>> > 73 de DF1PAW, Andreas Weller
>>
>> You'll need a SSB transmitter of some sort and that rules out the simple
>part.
>>
>> Gary Hildebrand WA7KKP
>
> Is there SSB on 14.070 ?

PSK31 is transmitted using audio tones modulating a SSB transmitter.

Gary

1724. Re: Simpel 20 m Transmitter

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-23 00:23:57 UTC
From: Eamon Skelton <Xnospam@oceanfree.net>
Message-ID: <tav3ka.0k9.ln@mylinuxbox.net>
Source record: 5598
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.homebrew

In article <598dc4be.0208221236.2c16fcd3@posting.google.com>, Gary hildebrand wrote:

> You'll need a SSB transmitter of some sort and that rules out the simple part.

Not necessarily. Because he only needs to cover a few KHz of
the 20M band, he could generate the carrier at signal
frequency and remove the opposite sideband with a simple
crystal ladder filter. The good news is that it is
very simple, the bad news is that he will have to buy
several 14.070MHz crystals.

This is quite easy to do on 80M because the PSK31
calling frequency is very close to 3.579MHz. You
can use cheap colour (or should that be color for
NTSC) TV crystals.

73, Ed. EI9GQ.

--
Remove 'X' to reply via e-mail.
http://homepage.eircom.net/~ei9gq
Linux 2.4.19

1725. Re: MFJ 1278 B and Multicomm v 1.6.2 by CSSI

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-23 02:43:39 UTC
From: Rick Ruhl <ricker@cssincorp.com>
Message-ID: <umb8c1fk7s7fb7@corp.supernews.com>
Source record: 5599

Loy

I've been in contact with you about all these issues, as well as having MFJ try to replicate them. Saying I have been no help is totally misleading.

The 1278B firmware of 06.31.01 has bugs and I've done my best to work around them. This last weekend I showed them in detail to Steven Pan, MFJ's vice president.

Continued in private email.

Rick - W4PC

"news-server.ec.rr.com" <lsbean@gibralter.net> wrote in message news:EID89.36955$Xa.1676934@twister.southeast.rr.com...
> Ralph,
>
> I am interested in the MFJ interface. I know I can use other software with
> probably better results. But, I am interested in the version software and
> hardware I mentioned from other possible users. Thanks anyway.
>
> Loy
>
> "Ralph Mowery" <rmowery@cetlink.net> wrote in message
> news:ajuvob$13fi$1@newsreader.cetlink.net...
> > Have you tried any other softwear to see if it will work ?
> >
> > Loads of very good free stuff here.
> >
> > http://www.muenster.de/%7Ewelp/sb.htm
> >
> >
> > "news-server.ec.rr.com" <lsbean@gibralter.net> wrote in message
> > news:5XA89.35624$Xa.1648607@twister.southeast.rr.com...
> > > Has anyone out there used the MFJ 1278 B and Multicomm v1.6.2 to work
> > PSK31.
> > > I purchased this software and the soundcard interface cable along with
> the
> > > tnc from MFJ. The software always ends up locking up when in soundcard
> > > modes. I've tried it using Microsoft XP and also ME. I've tried it
> with
> > > Soundblaster card and onboard sound. I've tried every possible
> > > configuration. I currently am running it on a Compaq Presario 1.6ghz
> box

> > > with 512 mb ram. Every computer I've run it on it uses 98% or better
of
> > the
> > > processor and ends up crashing. I'm not getting any help from the
> > > programmer. Let me know your experience with this software/tnc
> > combination.
> > >
> > > TIA,
> > >
> > > Loy Bean
> > > KN4SA
> > >
> > >
> > >
>
>

1726. What RS-232 pin to key CW?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-23 02:44:21 UTC
From: cprstn54zz@att.net
Message-ID: <3d65a089.225220375@news-server.optonline.net>
Source record: 5600

It appears that HamScope and MixW will let you select DTR to directly
key CW (as well as select RTS to key PTT).

What are some of the other RS-232 pins that the other popular
sound-card programs let you select to key CW?

In particular, does any program used TXD to key CW?

I am trying to specify a sound-card interface and want to pick the
most common arrangement.

Ken KC2JDY
Ken
(to reply via email
remove "zz" from address)

1727. What RS-232 pin to key CW?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-23 02:47:39 UTC
From: cprstn54zz@att.net
Message-ID: <3d65a246.225665500@news-server.optonline.net>
Source record: 5601

It appears that HamScope and MixW will let you select DTR to directly
key CW (as well as select RTS to key PTT).

What are some of the other RS-232 pins that the other popular
sound-card programs let you select to key CW?

In particular, does any program used TXD to key CW?

I am trying to specify a sound-card interface and want to pick the
most common arrangement.

Ken KC2JDY
Ken
(to reply via email
remove "zz" from address)

1728. Re: MFJ 1278 B and Multicomm v 1.6.2 by CSSI

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-23 03:08:44 UTC
From: "news-server.ec.rr.com" <lsbean@gibralter.net>
Message-ID: <0Hh99.8399$iX4.423319@twister.southeast.rr.com>
Source record: 5602
Cross-posted to: rec.radio.amateur.digital,rec.radio.amateur.digital.misc

Rick,

Please accept my apology, I should have said I've had no success with the programmer's help in making it work on my system.

Thanks,

Loy Bean
KN4SA

"Rick Ruhl" <ricker@cssincorp.com> wrote in message news:umb8c1fk7s7fb7@corp.supernews.com...
> Loy
>
> I've been in contact with you about all these issues, as well as having MFJ
> try to replicate them. Saying I have been no help is totally misleading.
>
> The 1278B firmware of 06.31.01 has bugs and I've done my best to work around
> them. This last weekend I showed them in detail to Steven Pan, MFJ's vice
> president.
>
> Continued in private email.
>
> Rick - W4PC
>
>
> "news-server.ec.rr.com" <lsbean@gibralter.net> wrote in message
> news:EID89.36955$Xa.1676934@twister.southeast.rr.com...
> > Ralph,
> >
> > I am interested in the MFJ interface. I know I can use other software
> with
> > probably better results. But, I am interested in the version software and
> > hardware I mentioned from other possible users. Thanks anyway.
> >
> > Loy
> >
> > "Ralph Mowery" <rmowery@cetlink.net> wrote in message
> > news:ajuvob$13fi$1@newsreader.cetlink.net...
> > > Have you tried any other softwear to see if it will work ?
> > >

> > > Loads of very good free stuff here.
> > >
> > > http://www.muenster.de/%7Ewelp/sb.htm
> > >
> > >
> > > "news-server.ec.rr.com" <lsbean@gibralter.net> wrote in message
> > > news:5XA89.35624$Xa.1648607@twister.southeast.rr.com...
> > > > Has anyone out there used the MFJ 1278 B and Multicomm v1.6.2 to
work
> > > PSK31.
> > > > I purchased this software and the soundcard interface cable along
with
> > the
> > > > tnc from MFJ. The software always ends up locking up when in
> soundcard
> > > > modes. I've tried it using Microsoft XP and also ME. I've tried it
> > with
> > > > Soundblaster card and onboard sound. I've tried every possible
> > > > configuration. I currently am running it on a Compaq Presario
1.6ghz
> > box
> > > > with 512 mb ram. Every computer I've run it on it uses 98% or
better
> of
> > > the
> > > > processor and ends up crashing. I'm not getting any help from the
> > > > programmer. Let me know your experience with this software/tnc
> > > combination.
> > > >
> > > > TIA,
> > > >
> > > > Loy Bean
> > > > KN4SA
> > > >
> > > >
> > >
> > >
> >
>
>

1729. Re: Simpel 20 m Transmitter

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-23 04:36:59 UTC
From: Dan Tayloe <dtayloe@cox.net>
Message-ID: <3D65BBF9.35CECA80@cox.net>
Source record: 5603
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.homebrew

I think Small Wonders Labs has a 20m 5w QRP PSK31 rig.

http://www.smallwonderlabs.com/

Look at the PSK page.

- Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions

Eamon Skelton wrote:
>
> In article <598dc4be.0208221236.2c16fcd3@posting.google.com>, Gary hildebrand wrote:
>
> > You'll need a SSB transmitter of some sort and that rules out the simple part.
>
> Not necessarily. Because he only needs to cover a few KHz of
> the 20M band, he could generate the carrier at signal
> frequency and remove the opposite sideband with a simple
> crystal ladder filter. The good news is that it is
> very simple, the bad news is that he will have to buy
> several 14.070MHz crystals.
>
> This is quite easy to do on 80M because the PSK31
> calling frequency is very close to 3.579MHz. You
> can use cheap colour (or should that be color for
> NTSC) TV crystals.
>
> 73, Ed. EI9GQ.
>
> --
> Remove 'X' to reply via e-mail.
> http://homepage.eircom.net/~ei9gq
> Linux 2.4.19

1730. Re: Simpel 20 m Transmitter

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-23 05:44:08 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <uogbmu8j7bfqtfhh515ig644i17a48he8m@4ax.com>
Source record: 5604
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.homebrew

On 22 Aug 2002 13:36:32 -0700, ghldbrd@ccp.com (Gary hildebrand)
wrote:

>"Andreas Weller" <weller@andreas-weller.de> wrote in message
news:<ak013v$m3f$05$1@news.t-online.com>...
>> Hallo!
>>
>> I'm looking for schematics for an easy to build simple Transmitter for 20 m.
>> I want to take it on holiday for PSK31. So it can be on the fixed frequency
>> 14.070 MHz.

>You'll need a SSB transmitter of some sort and that rules out the simple part.

What so special about PSK31 ?

Various forms of PSK are usually generated by I/Q modulators,
essentially a phasing transmitter.

Shouldn't it be possible to have

* a RF signal source (in this case a crystal oscillator or VXO),
* an RF phase shifting network to generate the quadrature carrier
(simple in this case due to the fixed frequency),
* two modulators (NE602, SBL-1 etc.),
* baseband filters for premodulaton shaping
* a linear power amplifier (due to premodulation shaping)
* a digital signal source (PIC, PDA, PC etc.)

to generate various sorts of PSK signals, not just PSK31 ?

Paul OH3LWR

1731. Re: Simpel 20 m Transmitter

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-23 09:30:16 UTC
From: Gary Coffman <ke4zv@bellsouth.net>
Message-ID: <ejubmucav8kh15a209nom6bvvole7tlckb@4ax.com>
Source record: 5605
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.homebrew

On Fri, 23 Aug 2002 08:44:08 +0300, Paul Keinanen <keinanen@sci.fi> wrote:
>On 22 Aug 2002 13:36:32 -0700, ghldbrd@ccp.com (Gary hildebrand)
>wrote:
>>You'll need a SSB transmitter of some sort and that rules out the simple part.
>
>What so special about PSK31 ?
>
>Various forms of PSK are usually generated by I/Q modulators,
>essentially a phasing transmitter.
>
>Shouldn't it be possible to have
>
>* a RF signal source (in this case a crystal oscillator or VXO),
>* an RF phase shifting network to generate the quadrature carrier
> (simple in this case due to the fixed frequency),
>* two modulators (NE602, SBL-1 etc.),
>* baseband filters for premodulaton shaping
>* a linear power amplifier (due to premodulation shaping)
>* a digital signal source (PIC, PDA, PC etc.)
>
>to generate various sorts of PSK signals, not just PSK31 ?

Yeah, but a very simple fixed tuned SSB transceiver like the
PSK20 ($95 kit, $140 with custom cabinet, size of a modem,
requires 2A at 12V from a wall wart or battery, makes 5 W PEP)
works with a PC with sound card.

With software like Digipan you can "tune" anywhere in the
audio passband (think of it as a tunable IF with digital filtering
and software demodulation), which covers the entire area of
interest between14.070 and 14.073. The PSK is generated
and decoded in software on the sound card equipped PC.

With software like WinPSK, you can even monitor several
different transmissions at the same time, and reply to any
one of them with just the click of the mouse on the waterfall
spectrum display. Very convenient.

If you want a different PSK modulation (or even a non-PSK
modulation), there is software available to do that too using
this same hardware system. All you do is load a different
program. Write your own if you like.

I carry my PSK20 in my laptop bag when I travel. I can be
setup to operate a couple minutes after I rig an antenna.

(I usually use a simple wire dipole and a tiny MFJ tuner.)

This is pretty much a software defined radio. Many of the functions normally done in hardware are done in software at "IF" by the sound card equipped PC.

Gary

1732. New Dedicated Radio Ham NewsGroup, FTP and WebSite

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-23 11:26:51 UTC
From: "Dave Williams (NNTP)" <dave.williams@nomail.totalise.co.uk>
Message-ID: <1030102011.21937.0.nnrp-13.3e3112b1@news.demon.co.uk>
Source record: 5606

Just for your info, a new UK Based Radio Ham domain is available which includes a
newsgroup and FTP server.

Web www.radio-ham.org
News news.radio-ham.org
FTP ftp.radio-ham.org

Hope its of interest.

Dave

1733. Re: What RS-232 pin to key CW?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-23 11:51:16 UTC
From: Mark Erbaugh <mark@microenh.com>
Message-ID: <umcbtoak0sold3@corp.supernews.com>
Source record: 5607

Ken,

I think you'll find that most programs use DTR or RTS for CW keying or PTT. I've not seen any programs that use TXD for CW or PTT, and from my understanding of the serial port hardware, I don't think that you will. You will find RTTY programs that use TXD to key the FSK line.

I don't think there is any standard on the use of DTR or RTS. Many programs let you select which line to use, but I've run across at least one that didn't. To be most flexible, you may want to put a couple of SPDT switches in the line between your computer and your digital interface. That way you can select whichever line the particular program requires. Also, if you use a switch with a center off position, you can use that as an emergency shut down should your computer lock up with PTT or CW enabled. I've also noticed that during the boot up process, the computer briefly enabled DTR and RTS (I suspect while determining serial port properties) so if my radio is on it gets keyed unless I have the interface switch off.

73,
Mark

"Ken" <cprstn54zz@att.net> wrote in message
news:3d65a246.225665500@news-server.optonline.net...
> It appears that HamScope and MixW will let you select DTR to directly
> key CW (as well as select RTS to key PTT).
>
> What are some of the other RS-232 pins that the other popular
> sound-card programs let you select to key CW?
>
> In particular, does any program used TXD to key CW?
>
> I am trying to specify a sound-card interface and want to pick the
> most common arrangement.
>
> Ken KC2JDY
> Ken
> (to reply via email
> remove "zz" from address)

1734. Re: What RS-232 pin to key CW?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-23 14:03:37 UTC
From: cprstn54zz@att.net
Message-ID: <3d663f33.265837875@news-server.optonline.net>
Source record: 5608

On Fri, 23 Aug 2002 07:51:16 -0400, "Mark Erbaugh" <mark@microenh.com>
wrote:
>I think you'll find that most programs use DTR or RTS for CW keying or PTT.
>I've not seen any programs that use TXD for CW or PTT, and from my
>understanding of the serial port hardware, I don't think that you will. You
>will find RTTY programs that use TXD to key the FSK line.

Thanks for your response. Yes, that is what I found when I did more
research after the posting (in the help file for MMTTY).

I have not yet gotten to playing with RTTY, so I am unfamiliar with
its nitty-gritty details. One question that did present itself was,
Why bother hard-keying FSK RTTY using the TXD pin when almost every
sound-card program has an AFSK mode?

I can see hard-keying CW, because you enable your radio's QSK mode and
because SSB-simulated CW is not really CW. But an AFSK RTTY signal
ought to look just like an FSK RTTY signal, No?

Ken KC2JDY

Ken
(to reply via email
remove "zz" from address)

1735. Re: What RS-232 pin to key CW?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-23 15:27:25 UTC
From: Mark Erbaugh <mark@microenh.com>
Message-ID: <umckt0ico7vs6f@corp.supernews.com>
Source record: 5609

Ken,

> I have not yet gotten to playing with RTTY, so I am unfamiliar with
> its nitty-gritty details. One question that did present itself was,
> Why bother hard-keying FSK RTTY using the TXD pin when almost every
> sound-card program has an AFSK mode?
>
> I can see hard-keying CW, because you enable your radio's QSK mode and
> because SSB-simulated CW is not really CW. But an AFSK RTTY signal
> ought to look just like an FSK RTTY signal, No?

While a perfect AFSK signal should be identical to an FSK signal, there are a couple of reasons for using FSK. Actually a perfect soundcard CW signal should also be identical to a 'real' CW signal, with the QSK exception you mention.

1) The operative word above is 'perfect.' With FSK, the transceiver ensures that the level is proper. With a soundcard, it would be possible to over or under drive and distort the signal. Also unwanted frequency components (60 Hz hum) in the input could be transmitted. An active speech processor could also distort your signal.

2) With AFSK, SSB is used to transmit. On many radios, the narrow receive filters are not selectable in SSB modes, but may be in FSK mode.

3) The FSK output takes less processing on the computer. This is only an issue if you're trying to use an old computer, which probably isn't going to run Windows all that well anyways.

4) It gives the RTTY (or FSK) button and input on your transeiver something to do <g>.

73,
Mark

1736. Re: Simpel 20 m Transmitter

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-23 16:22:24 UTC
From: marsgal42@hotmail.com
Message-ID: <d42b5a72.0208230822.4472ce1c@posting.google.com>
Source record: 5610
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.homebrew

Paul Keinanen <keinanen@sci.fi> wrote in message
news:<uogbmu8j7bfqtfhh515ig644i17a48he8m@4ax.com>...

> Shouldn't it be possible to have
>
> * a RF signal source (in this case a crystal oscillator or VXO),
> * an RF phase shifting network to generate the quadrature carrier
> (simple in this case due to the fixed frequency),
> * two modulators (NE602, SBL-1 etc.),
> * baseband filters for premodulaton shaping
> * a linear power amplifier (due to premodulation shaping)
> * a digital signal source (PIC, PDA, PC etc.)
>
> to generate various sorts of PSK signals, not just PSK31 ?

Of course. I plan to put such a system together this
winter - baseband I/Q out a PC sound card, then an
RF modulator and power amplifier. With such a setup
you can generate just about every form of modulation
hams use today.

This is incompatible with ricebox technology, so I
doubt anybody else will be interested in it.

Laura Halliday VE7LDH "Que les nuages soient notre
Grid: CN89lg pied a terre..."
ICBM: 49 16.57 N 123 0.24 W - Hospital/Shafte

1737. Re: What RS-232 pin to key CW?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-23 17:41:00 UTC
From: cprstn54zz@att.net
Message-ID: <3d667188.278723296@news-server.optonline.net>
Source record: 5611

On Fri, 23 Aug 2002 11:27:25 -0400, "Mark Erbaugh" <mark@microenh.com>
wrote:
> Actually a perfect soundcard CW signal
>should also be identical to a 'real' CW signal, with the QSK exception you
>mention.

I thought that a USB modulated CW signal is roughly the top 1/3 of a
sine wave, with the rest truncated off, giving a wave pattern with
flat bottoms and rounded tops. Have I improperly extrapolated the
explanation for dummies?

Ken KC2JDY

Ken
(to reply via email
remove "zz" from address)

1738. Re: EMail / Internet over Amateur Radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-23 17:53:46 UTC
From: widowmaker@huntcentral.net
Message-ID: <d8ac2b3b.0208230953.48e03b87@posting.google.com>
Source record: 5612

Mark, if you want to use HF to send and receive email,
check out the winlink.org website. You can download the
airmail2000 software and do email that way. Read and
follow the rules posted by the Winlink sysops and system
administrators. Don't be discouraged by the dinosaurs
who say that email on ham radio is illegal.

Orrin WN1Z

"Mark Erbaugh" <mark@microenh.com> wrote in message
news:<um56fuelje5h9a@corp.supernews.com>...
> Please help me think through the use of Amateur Radio for connectivity to
> the Internet or to get EMail. This was somewhat prompted by KH6TY's OpEd
> piece in the September, 2002 QST.
>
> I have heard of people who get their Amateur Radio licenses mainly so they
> can use WinLink or similar ham radio networks to get their EMail while
> travelling (sailing, RV's, etc).
>
> Some of these people probably aren't radio hobbyists per se, they are mainly
> interested in using ham radio as an alternative to paying for a commercial
> wireless email service. This is actually a violation of the FCC regulations.
> Under Part 97.113 paragraph 5 says that "No amatuer station shall transmit
> ... Communications, on a regular basis, which could reasonably be furnished
> alternatively through other radio services."
>
> On the other hand, as amateurs, we need to experiment and keep up with
> advances in technology such as digital networking. In order to test our
> developments and ensure that they will work as backups in a communications
> emergency, we need to operate such networks under somewhat 'real world'
> conditions and these users provide that kind of testing.
>
> Without usage of the frequencies by such networks, we run the risk of losing
> our frequency allocations. Also, some of the people who get an amateur radio
> license for this purpose may eventually move into more traditional usage of
> ham radio.
>
> I suppose similar arguments could be made of much of the PSK31 traffic and
> SSB communications where people get on to talk to friends, but at least that
> is communication between hams. In the traveling email scenario, much of the
> communication is third party traffic.
>
> Just some thoughts / questions
> Mark

1739. PSK-31 with non-Creative-Labs soundblaster... Toshiba laptop

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-23 18:07:16 UTC
From: widowmaker@huntcentral.net
Message-ID: <d8ac2b3b.0208231007.5e540b33@posting.google.com>
Source record: 5613

Hello. Am contemplating trying PSK-31 with a Toshiba 1405 laptop which has only mike-in and earphone-out levels. Does anyone know, or can anyone point to a discussion that's already happend, if programs like DigiPan, WinPSKse, and WinWarbler will find the "necessary hardware" in such a laptop to make PSK-31 work?

If it's only a matter of impedance matching (the Toshiba has mike-in and earphone-out levels, not line-in and line-out) then i can try to tweak my Rascal interface. But if the software isn't going to find the correct hardware inside the laptop, that's a different problem, right?

Thanks for any comments. Orrin WN1Z

1740. PSK-31 with Creative Labs 'outboard' USB sound blaster?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-23 18:10:10 UTC
From: widowmaker@huntcentral.net
Message-ID: <d8ac2b3b.0208231010.19e7a8ae@posting.google.com>
Source record: 5614

Anyone succeeded at doing PSK-31 with a Creative Labs 'outboard'
USB sound blaster? It plugs into a USB port. It is made by
Creative Labs. Goes for $149.95 or so.

Orrin WN1Z

1741. Re: Simpel 20 m Transmitter

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-23 18:40:24 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <mrvcmuknhtdri8i4d88m33gna3odlk2i1v@4ax.com>
Source record: 5615
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.homebrew

On 23 Aug 2002 09:22:24 -0700, marsgal42@hotmail.com (Laura Halliday)
wrote:

>Paul Keinanen <keinanen@sci.fi> wrote in message
news:<uogbmu8j7bfqtfhh515ig644i17a48he8m@4ax.com>...
>
>> Shouldn't it be possible to have
>>
>> * a RF signal source (in this case a crystal oscillator or VXO),
>> * an RF phase shifting network to generate the quadrature carrier
>> (simple in this case due to the fixed frequency),
>> * two modulators (NE602, SBL-1 etc.),
>> * baseband filters for premodulaton shaping
>> * a linear power amplifier (due to premodulation shaping)
>> * a digital signal source (PIC, PDA, PC etc.)
>>
>> to generate various sorts of PSK signals, not just PSK31 ?
>
>Of course. I plan to put such a system together this
>winter - baseband I/Q out a PC sound card, then an
>RF modulator and power amplifier. With such a setup
>you can generate just about every form of modulation
>hams use today.

I hope you have a sound card that has a frequency response down to DC.
At least some CODECs have some kind of offset compensation (similar to
auto-zero in DVMs) at the analog input, thus, the analog input behaves
as if it contained a high pass filter around 3 Hz.

>This is incompatible with ricebox technology, so I
>doubt anybody else will be interested in it.

I have often wondered, why baseband I/Q (zero-IF) modulation and
demodulation has not been used more frequently in amateur digital
systems. Just look at the large number of I/Q chips available from
e.g. Maxim.

Paul OH3LWR

1742. Re: Is packet all over

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-23 22:19:12 UTC
From: Colin Sevier <colin@pclv.com>
Message-ID: <Axy99.2435$lc7.335239@news2.west.cox.net>
Source record: 5616

NOT FOR APRS USE!
"Joseph Fenn" <jfenn@lava.net> wrote in message
news:Pine.BSI.4.44.0208181620380.4984-100000@malasada.lava.net...
> C A S E C L O S E D
>
> Kilroy
>
>
> **
> * Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
> **
>
>

1743. Re: Soundcard Packet???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-23 22:33:40 UTC
From: Oliver Welp <welp@muenster.de>
Message-ID: <3D66B844.D424DA95@muenster.de>
Source record: 5617

I listed the soundcard programs I know at my page

http://www.muenster.de/~welp/sb.htm

HTH, 73, Oliver (DL9QJ, N3NSF)

Ed Bruchac wrote:
>
> Any Packet programs,which use the soundcard instead of a TNC??
> Currently running PSK,MMSSTV on FT817 allmode with homebrew notebook interface
> and ptt inline.

--
[Dr. Oliver Welp - welp@muenster.de
http://www.muenster.de/~welp/]

1744. Re: APRS and Geo Cache

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-24 02:56:44 UTC
From: "J. Duffy Beischel" <jduffy@zoomtown.com>
Message-ID: <umdto6rthbm6b@corp.supernews.com>
Source record: 5618
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.misc

Well, I am doing both but not together so to speak. Although the WB8NUT-12
is in the car we use for Geocaching. Does that count?

Duffy
www.wb8nut.com

"K�HB" <KAYZEROHANDSOMEBOY@ELECTRICSMOKE.NET> wrote in message
news:JhY89.1838$yd1.152596@newsread2.prod.itd.earthlink.net...
> These two seem like a 'natural combination' of hobbies. Anyone working
them
> together?
>
> ��� 73, de Hans, K0HB
> SOC # 291 http://www.qsl.net/soc
> --
> There is no voodoo or magic associated with RF
> propagation. There are several perfectly sound
> technical reasons why it is beneficial to occasionally
> sacrifice a goat in your antenna field.
>
>
>
>
>

1745. Re: Advice WTD: Cheap radio for APRS car tracking

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-24 03:01:27 UTC
From: "J. Duffy Beischel" <jduffy@zoomtown.com>
Message-ID: <umdto7h8qjca6f@corp.supernews.com>
Source record: 5619

I use the Yaesu FT-1500M. You can get them for a little over $100 now and they can go up to 50 watts, are built real well and that's what I use on APRS (WB8NUT-12).

"Lee" <mus5mk2ly001@sneakemail.com> wrote in message news:a1385921.0208141120.74e945db@posting.google.com...
> I am looking into APRS as a way to track my car in case it is stolen.
> Have found lots of advice about GPS and TNCs, but not the radio.
> There are plenty of bells and whistles that I don't need. Can anyone
> recommend something cheap with the bare minimum of features? Or maybe
> something that crops up on Ebay commonly for cheap that would do the
> trick. Please note, I am completely new to ham radio.
>
> Thanks in advance,
> Lee

1746. KPC-3 question

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-24 03:56:36 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020823235636.28850.00002316@mb-ci.aol.com>
Source record: 5620

Up to now I've always used my KPC-3 on 2m. I recently purchased a Yaesu FT-100D and was wondering if the TNC can be used on other bands as well. There doesn't seem to be any discussion on that in the manual.
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Beachwood, NJ USA! Grid FM29vw
http://vhfradiobuff.tripod.com

1747. Re: PSK-31 with non-Creative-Labs soundblaster... Toshiba laptop

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-24 06:55:21 UTC
From: hamish@cloud.net.au
Message-ID: <3d672dd9$0$29907$afc38c87@news.optusnet.com.au>
Source record: 5621

Orrin Winton WN1Z <widowmaker@huntcentral.net> wrote:
> Hello. Am contemplating trying PSK-31 with a Toshiba 1405 laptop
> which has only mike-in and earphone-out levels. Does anyone know,
> or can anyone point to a discussion that's already happend, if
> programs like DigiPan, WinPSKse, and WinWarbler will find the
> "necessary hardware" in such a laptop to make PSK-31 work?

Should be no problem. The Windows drivers for the sound card take care
of the details. I used PSK31 on a Toshiba 310CDS for a year or two
a while ago, along with SSTV, Hellschreiber, MT63 etc.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

1748. Re: What RS-232 pin to key CW?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-24 07:42:01 UTC
From: Gary Coffman <ke4zv@bellsouth.net>
Message-ID: <gdcemu0n30l6g4idh85u3anqtvtd3p5o67@4ax.com>
Source record: 5622

On Fri, 23 Aug 2002 17:41:00 GMT, cprstn54zz@att.net (Ken) wrote:
>On Fri, 23 Aug 2002 11:27:25 -0400, "Mark Erbaugh" <mark@microenh.com>
>wrote:
>> Actually a perfect soundcard CW signal
>>should also be identical to a 'real' CW signal, with the QSK exception you
>>mention.
>
>I thought that a USB modulated CW signal is roughly the top 1/3 of a
>sine wave, with the rest truncated off, giving a wave pattern with
>flat bottoms and rounded tops. Have I improperly extrapolated the
>explanation for dummies?

You have. Consider that a SSB transmitter is just an up converter,
which shifts an audio tone to an RF frequency. If you tune the radio
to 14.070 and feed it a 1 kHz audio tone, what you get out is an RF
carrier at 14.071. If the 1 kHz tone was a nice clean sinewave, so
will be the 14.071 carrier. If the 1 kHz tone is PSK modulated, so
will be the 14.071 carrier. Etc.

What you're picturing is the time domain envelope of a double
sideband with carrier (ordinary AM) transmitter modulated by a
tone. If you were to view that signal in the frequency domain,
you'd find three distinct frequencies, a lower sideband at 14.069,
a carrier at 14.070, and an upper sideband at 14.071. In the time
domain, these three separate signals produce the waveform
you're picturing.

If you diode rectify that, and pass it through a low pass filter,
you'll recover the original audio.

In a SSB transmitter, the carrier is suppressed by the balanced
modulator, and the lower sideband is suppressed by the filter,
leaving only the upper sideband. In the time domain, that looks
completely different. It is simply a faithful replica of the original
audio tone translated to a much higher frequency.

Diode rectifying and low pass filtering this would just give you
a DC signal. But if you *mix* (product detect, frequency translate,
they all mean the same) a locally generated 14.070 signal with
the received 14.071 signal, and low pass filter that, you get the
original audio tone back. That's how a SSB receiver works.

(There's usually an IF conversion or two in there, but that's
irrelevant to the basic idea that SSB signals are simply
frequency translated audio signals.)

Gary

1749. Re: PSK-31 with non-Creative-Labs soundblaster... Toshiba laptop

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-24 07:47:48 UTC
From: Gary Coffman <ke4zv@bellsouth.net>
Message-ID: <j7eemus9fhu2gjr5va65j412eip5rpocl2@4ax.com>
Source record: 5623

On 23 Aug 2002 11:07:16 -0700, widowmaker@huntcentral.net (Orrin Winton WN1Z) wrote:
>Hello. Am contemplating trying PSK-31 with a Toshiba 1405 laptop
>which has only mike-in and earphone-out levels. Does anyone know,
>or can anyone point to a discussion that's already happend, if
>programs like DigiPan, WinPSKse, and WinWarbler will find the
>"necessary hardware" in such a laptop to make PSK-31 work?

Yes, those programs will work. They communicate with the sound
card via calls to the Windows sound interface (API). Any Windows
compatible sound card looks the same to a program accessing
it via the Windows API. (That's why programmers are supposed
to access sound cards that way.)

>If it's only a matter of impedance matching (the Toshiba has
>mike-in and earphone-out levels, not line-in and line-out) then
>i can try to tweak my Rascal interface. But if the software isn't
>going to find the correct hardware inside the laptop, that's a
>different problem, right?

It is more a matter of matching levels than matching impedances,
though to an extent it amounts to the same thing. You'll have to
pad down the signal going to the mic-in port, and you may need
to amplify the signal coming out of the ear-out port (though if you
feed it to mic-in on the radio it'll probably be strong enough).

Gary

1750. Re: KPC-3 question

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-24 14:19:15 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <DBM99.2149$p%3.143477@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5624

Yup, can be used on any band you like,
with any radio you like. Just plug it in ...

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"VHFRadioBuff" <vhfradiobuff@aol.comspamsux> wrote in message
news:20020823235636.28850.00002316@mb-ci.aol.com...
> Up to now I've always used my KPC-3 on 2m. I recently purchased a Yaesu
FT-100D
> and was wondering if the TNC can be used on other bands as well. There
doesn't
> seem to be any discussion on that in the manual.
> =-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
> 73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
> Beachwood, NJ USA! Grid FM29vw
> http://vhfradiobuff.tripod.com

1751. Re: KPC-3 question

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-24 14:52:47 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020824105247.20322.00002812@mb-fv.aol.com>
Source record: 5625

>Yup, can be used on any band you like,
>with any radio you like. Just plug it in ...

Ok, that's great. Do you know of any webpages that I can go to to find out
about the activity on packet on other bands?
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Beachwood, NJ USA! Grid FM29vw
http://vhfradiobuff.tripod.com

1752. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-24 15:19:28 UTC
From: AC6V <ac6v@amsat.org>
Message-ID: <4uN99.4878$lc7.515661@news2.west.cox.net>
Source record: 5627

Thousands use the DX Packet Clusters every day.
Here in San Diego the NTS System is using Packet

--
I Doubt, Therefore I Might Be
73 From AC6V, Rod In Oceanside, CA
http://ac6v.com

1753. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-24 15:28:54 UTC
From: Xenophon <xenophon@phreaker.net>
Message-ID: <3D67A636.6190149F@phreaker.net>
Source record: 5626

Hank Oredson wrote:

> Hmmm ... so our 9600 baud network doesn't exist?
> Darn! I was having so much fun with it just an hour ago.
> .

snort 9600. thats a f-kin joke. Even if there were enough 9600 nodes and access points to justify calling it a 9600 network its still a laughable baud rate.

Im a ham, but i dont use packet anymore really. 1200 was cool in the 80s it rivalled POTS modems and was free compared to the pay-per-min net access. however 9600 in 2002 does not equate to 1200 in the 80s. 56000 bps reliable world-wide communications serves all my information needs, all my email needs, same for newsgroups mailing lists, etc, etc. Theres nothing for us on packet that there isnt on the net information-wise. It can now only have two selling points - innovation and experimentation and offering somthing BETTER than the net. It will NEVER hold more information. Here are the problems with packet as i see them :

1. The access points are two slow.

We could easily do 128 Kbps on 70cm, provided it was a 1/2 duplex system where many access users used the same freq in an 'ethernet' type setup. Custom hardware for this could have rx/tx switching times such as round-trip times from user to user could be kept in the order of a couple of hundred ms if not less. In the UK there is ~ 1Mhz of bandwidth in 70cm that could be used for this without interference to existing allocations.

Also 23cm has 7 channels at 150Khz wide already allocated for high-speed packet. Having the bandwidth to do it is not a problem, the equiptement can be cheap, the power reasonably high and the distance from access points 10s of miles. 13cm possible too packet allocations with 200Khz and 1Mhz b/w.

I totally agree that we must move away from the illusion that regular rag-chew hardware will do the job. Custom hardware for the access points could be homebrewed of mass-produced for ~ 100 UK pounds.

2. 9600 duplex for the backbones is stupid. Try somthing in the region of 10Mbps duplex, what about the all modes section in 9cm. space for LOADS of these link side-by side. 10Mbps would be only a beginning. REAL backbone links, international links should be looking in the order of 100Mbps upwards. The bandwidth *is out there* for multi-megabit duplex backbone links on: 13cm, 9cm, 6cm. Duplex base-band transceivers are availible on these frequencise (mfrd often for ATV use), can be brought or made for a negligible cost - simply waiting to be plugged into the AUIs of eithernet

cards.

3. AX.25 - ditto my comments on 9600 for backbones. Just forget it. and no dont even piggy back IP on top of ax25. Industry standard ethernet-over-wire protocols are the way to go for the backbone and access points.

4. We need connection to the outside networks, whether by telephone (Voice over IP) or internet. Simple change to the liscence, so long as its not for commercial use would be fine.

5. We also need to forget DOS bbses, KA9Q or whatever else you're using now. Standard ethernet interfaces on Linux, BSD, Unix for the links. Standard serial or ethernet comms for the access points.

5. The IP address co-ordinators need to start putting their phone numbers on the list so that ppl looking for a 44. IP can actually get one. *hint* ;)

And before anyone asks, I AM liscensed and fully paid up ham, and no this is not vapour. If anyone doubts this - just give me the money and i will build you these links access points etc. Someone really does need to do this, get a bit of money together to develop these ideas into real products (probably cost a few thousand quid and a few hundred hours of work for the initial development) and then get a few ads for them placed in the magazines.

Untill this happens, or someone asks for my help in making this happen, or someone offers me a grant to make this happen, im staying off packet and on my 56K..

Xeno.

1754. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-24 17:36:57 UTC
From: N5IN <no-spam@nospamX.com>
Message-ID: <ZuP99.1033$7_1.220332@news7.onvoy.net>
Source record: 5628

There is still a useful application for 1200 baud packet...its DX Packet Cluster.

The clusters themselves are internet connected, the radio is used just locally, and
only by a limited number of users, say 6 max. In that configuration it's fast enough.

I have radio connected users at 1200 who stay connected for weeks at a time and
get just what they want.

This configuration has replaced our radio network, and for our purpose, DX spots
it's just fine.

Configuration details at http://dxspots.com

Ron N5IN

"AC6V" <ac6v@amsat.org> wrote in message
news:4uN99.4878$Ic7.515661@news2.west.cox.net...
> Thousands use the DX Packet Clusters every day.
> Here in San Diego the NTS System is using Packet
>
> --
> I Doubt, Therefore I Might Be
> 73 From AC6V, Rod In Oceanside, CA
> http://ac6v.com
>
>

1755. Re: KPC-3 question

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-24 17:56:22 UTC
From: Bob Morehouse <amibobmoreornot@nomorespamepacifier.com>
Message-ID: <3D67C8C6.AAF12AD5@nomorespamepacifier.com>
Source record: 5629

It can be used with any radio, however the KPC-3 is intended for use on VHF. If you are wanting to use it on frequencies lower than 2 meters, you will want a tnc that can go to 300 baud with the proper modem tones. Per page 25 in the KPC-3 manual (version 5.0): "Although the KPC-3 can operate 300 baud, the modem tones will still use a 1000 Hz shift whereas most HF packet uses a 200 Hz shift."

Bob, KB7ADO

=DO NOT USE REPLY BUTTON=
reply to: bobmore at pacifier dot com

1756. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-24 20:25:06 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <46qfmuo2ufccc9vgviqr1tebfst2ls9c2k@4ax.com>
Source record: 5630

On Sat, 24 Aug 2002 16:28:54 +0100, Xenophon <xenophon@phreaker.net>
wrote:

>Hank Oredson wrote:
>
>> Hmmm ... so our 9600 baud network doesn't exist?
>> Darn! I was having so much fun with it just an hour ago.
>> .
>
>*snort* 9600. thats a f-kin joke. Even if there were enough 9600 nodes and
>access points to justify calling it a 9600 network its still a laughable
>baud rate.

In fact there are quite a few applications that run well on 1200
bit/s, such as APRS and DX-clusters. It is also sufficient for ad-hoc
networking in emergency situations as a replacement of CW/phone
message transfer. Practically any radio can be used, which is a bonus
in an emergency.

There is no real benefit of going to 9600 for these applications,
there no need for higher speed, but the number of available radios is
reduced.

Unfortunately half duplex 9600 bit/s is not really sufficient for
interactive applications such as remote access (e.g. telnet) or web
browsing (lynx on other text based browser). The real problem is the
high latency, not the data rate itself.

So what is the real use of 9600bit/s ? Flooding the same bulletins to
all BBSs at a greater rate ?

>1. The access points are two slow.
>
>We could easily do 128 Kbps on 70cm, provided it was a 1/2 duplex system
>where many access users used the same freq in an 'ethernet' type setup.
>Custom hardware for this could have rx/tx switching times such as
>round-trip times from user to user could be kept in the order of a couple
>of hundred ms if not less. In the UK there is ~ 1Mhz of bandwidth in 70cm
>that could be used for this without interference to existing allocations.

Most RF-paths used by hams are not nice clean LOS paths, so multipath
has to be considered. It distorts the baseband signal waveform,
especially at high data rates. When using narrow modulation methods
such as 2FSK, 2PSK, 4PSK in order to save spectrum, the selective
fading (caused by multipath) may completely knock out the channel and
no amount of FEC will help.

In order to avoid selective fading, most robust high speed digital systems widens the frequency band used. In many cases multiple signals are multiplexed on a common wide frequency band e.g. in GSM cellular phones (TDMA) or in the DVB-T multiplex (COFDM). Multiplexing would not be practical for hams due to the large amount of coordination needed, but spread spectrum might be a good alternative, since it does not need coordination. However, finding a 1-2 MHz frequency band for all packet signals could be hard at least on lower bands.

Latency could be reduced if the system operated full duplex in a cross band mode.

>2. 9600 duplex for the backbones is stupid.

The idea of using long _multihop_ backbone links is justifiable in countries in which it is forbidden to connect ham transmitters to the wire networks. In other countries, the same human and equipment resources could be better used for the RF-link to the end user and to develop various applications. The long distance HF links are of course a different thing, unfortunately the available throughput is quite low.

>Try somthing in the region of
>10Mbps duplex, what about the all modes section in 9cm. space for LOADS of
>these link side-by side. 10Mbps would be only a beginning. REAL backbone
>links, international links should be looking in the order of 100Mbps
>upwards. The bandwidth *is out there* for multi-megabit duplex backbone
>links on: 13cm, 9cm, 6cm.

One problem here is the low ham density in most parts of the world, so it would be hard to find suitable places for intermediate links. While 2m/70cm links running 1200 can be quite long and work reasonably well at extended distances, long distance microwave systems require shorter links and nearly line of sight paths and thus a large number of intermediate stations.

Yes, I am aware that microwaves propagates quite well for short distances (hundreds of meters) within an urban area and narrow band microwave signals can propagate every day several hundred kilometers by troposcatter by using sufficient amount of effective radiated power (several kW), but nighter case applies to high speed backbones.

>3. AX.25 - ditto my comments on 9600 for backbones. Just forget it. and no
>dont even piggy back IP on top of ax25. Industry standard
>ethernet-over-wire protocols are the way to go for the backbone and access
>points.

X.25 was designed for full duplex landlines with relatively low bit error rates. Trying to adopt this to the radio environment with usually much higher bit error rates, which caused a lot of retransmissions, which is very costly due to half duplex operation and high Tx/Rx turnaround times.

This either significantly drops the effective data rate or requires a very high SNR, which means higher transmitter power, bigger antennas or reduced link spans, compared to using some protocol designed for radio use.

A good radio protocol should use some form of interleaving to spread out burst errors into random errors (although using spread spectrum will reduce the burst errors due to selective fading), sufficient ECC should be applied to correct at least a modest number of bit errors without a retransmission. Retransmissions will significantly reduce the throughput and increase the end to end latency, especially if a half-duplex link with slow turnaround is used, thus, retransmissions should be avoided at all cost.

Paul OH3LWR

1757. Re: Simpel 20 m Transmitter

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-24 22:14:00 UTC
From: Gary Coffman <ke4zv@bellsouth.net>
Message-ID: <jl0gmu8m99dhrcof9c1nrdie029d9u77ue@4ax.com>
Source record: 5631
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.homebrew

On 23 Aug 2002 09:22:24 -0700, marsgal42@hotmail.com (Laura Halliday) wrote:
>Paul Keinanen <keinanen@sci.fi> wrote in message
news:<uogbmu8j7bfqtfhh515ig644i17a48he8m@4ax.com>...
>
>> Shouldn't it be possible to have
>>
>> * a RF signal source (in this case a crystal oscillator or VXO),
>> * an RF phase shifting network to generate the quadrature carrier
>> (simple in this case due to the fixed frequency),
>> * two modulators (NE602, SBL-1 etc.),
>> * baseband filters for premodulaton shaping
>> * a linear power amplifier (due to premodulation shaping)
>> * a digital signal source (PIC, PDA, PC etc.)
>>
>> to generate various sorts of PSK signals, not just PSK31 ?
>
>Of course. I plan to put such a system together this
>winter - baseband I/Q out a PC sound card, then an
>RF modulator and power amplifier. With such a setup
>you can generate just about every form of modulation
>hams use today.

Good luck. I tried changing my I/Q system to use
a sound card and PC to replace the DSP evaluation
module. I never could get phase synchronization
between the I and Q samples. (The sound card
operates sequentially for left and right, and you
can't precisely control the timing.)

That's why I gave up on that approach and simply
do the modulation of the carrier while still in the digital
domain. Then one channel of the sound card is used
simply as a D/A to output the modulated signal at an
audio IF. That goes to a conventional SSB transmitter
for up conversion. That gets rid of all the uncontrollable
timing problems.

Gary

1758. Re: Simpel 20 m Transmitter

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-25 01:18:23 UTC
From: xpyttl <xpyttl_nospam@earthling.net>
Message-ID: <umgc4v4rbfsae8@corp.supernews.com>
Source record: 5632
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.homebrew

There have been a number of articles in the QRP Homebrewer and QQ, if I recall, on simple PSK rigs. You might check the NJQRP site, http://www.njqrp.org, most probably there are schematics of an 80 meter PSK rig that could give you ideas.

Also, you might check the DL-QRP club at http://www.werdau.net/dl-qrp-ag/. The transmitter circuit from their Black Forest rig might be pressed into service. I'm not a German speaker but it appears there is more on their German language pages than their English pages so there may be something else there useful, as well.

You might also try emailing Peter, DL2FI, who is the engine behind DL-QRP. He is one heck of a fun guy and a bundle of ideas. (Also a recent inductee to the QRP Hall of Fame).

..

"Andreas Weller" <weller@andreas-weller.de> wrote in message news:ak013v$m3f$05$1@news.t-online.com...
> Hallo!
>
> I'm looking for schematics for an easy to build simple Transmitter for 20 m.
> I want to take it on holiday for PSK31. So it can be on the fixed frequency
> 14.070 MHz.
> I know that there are schematics for such a device out there - but I didn't
> find it.
>
> Thank you very much!
>
> 73 de DF1PAW, Andreas Weller
>
>

1759. Re: What RS-232 pin to key CW?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-25 01:34:36 UTC
From: cprstn54zz@att.net
Message-ID: <3d68331a.393814156@news-server.optonline.net>
Source record: 5633

On Sat, 24 Aug 2002 03:42:01 -0400, Gary Coffman <ke4zv@bellsouth.net>
wrote:
>You have. <snip>

Thanks, Gary. I have read your detailed explanation three times and
it is so far over my head I can't see the bottom of it. When I
finally understand it, I will know I am ready for the Extra exam.

Bottom line: SSB CW looks just like regular CW to the receiver. I am
satisfied with that conclusion.

Ken KC2JDY

Ken
(to reply via email
remove "zz" from address)

1760. Are there any general sound-card adapters?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-25 01:49:14 UTC
From: cprstn54zz@att.net
Message-ID: <3d683434.394096500@news-server.optonline.net>
Source record: 5634

I bought a Rascal for my FT990 radio and am enjoying it. The price is very very right but I had to commit to DSR to key PTT and DTR to key CW. Buck won't do a third switch, so I can't have TXD key RTTY.

This started me looking at the other adapters (RigBlaster, MFJ) but I couldn't find one that was general, easy to use and cheap. I think I am looking for one with only RCA jacks as ports, like the Timewave 599zx kind of does.

Sound card in and sound card out could be done with hardwired stereo phono plugs on 5 ft cables, since I have never seen a sound card that took anything else.

For the rest, RCA jacks for:

Radio AF in
Radio PATCH out
TXD in (with LED)
DTR in (with LED)
RTS in (with LED)
PTT out (maybe a few of these)
CW key out
RTTY SHIFT out

Then I could make cables with a few RCA plugs on one end (and RTTY DIN, DB-9, CW phone plug, mini phone plug, MIC, etc., on the other end) and plug the RCA plugs in where my software requires. This beats opening the unit up and changing jumpers every time you run an oddball program or a hardwired setup (like the Rascal) that works with some programs and not others.

Also, how about an 8-pin MIC thru-adapter that takes inputs from the interface, but also lets you plug in your microphone, so you can do phone without unplugging?

Has someone already done this? Am I all wet?

Ken KC2JDY

Ken
(to reply via email
remove "zz" from address)

1761. Re: What RS-232 pin to key CW?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-25 02:29:39 UTC
From: Gary Coffman <ke4zv@bellsouth.net>
Message-ID: <57ggmu4ri65omcddir3nvs9hmr9mo524d2@4ax.com>
Source record: 5635

On Sun, 25 Aug 2002 01:34:36 GMT, cprstn54zz@att.net (Ken) wrote:
>On Sat, 24 Aug 2002 03:42:01 -0400, Gary Coffman <ke4zv@bellsouth.net>
>wrote:
>>You have. <snip>
>
>Thanks, Gary. I have read your detailed explanation three times and
>it is so far over my head I can't see the bottom of it. When I
>finally understand it, I will know I am ready for the Extra exam.

What part of the explanation is leaving you confused?

Gary

1762. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-25 04:15:21 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <tRY99.33642$Ke2.2350101@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5636

"Xenophon" <xenophon@phreaker.net> wrote in message
news:3D67A636.6190149F@phreaker.net...
> Hank Oredson wrote:
>
> > Hmmm ... so our 9600 baud network doesn't exist?
> > Darn! I was having so much fun with it just an hour ago.
> > .
>
> *snort* 9600. thats a f-kin joke. Even if there were enough 9600 nodes and
> access points to justify calling it a 9600 network its still a laughable
> baud rate.

And your solution is?

> Im a ham, but i dont use packet anymore really. 1200 was cool in the 80s
> it rivalled POTS modems and was free compared to the pay-per-min net
> access. however 9600 in 2002 does not equate to 1200 in the 80s. 56000 bps
> reliable world-wide communications serves all my information needs, all my
> email needs, same for newsgroups mailing lists, etc, etc. Theres nothing
> for us on packet that there isnt on the net information-wise. It can now
> only have two selling points - innovation and experimentation and offering
> somthing BETTER than the net. It will NEVER hold more information. Here
> are the problems with packet as i see them :
>
> 1. The access points are two slow.
>
> We could easily do 128 Kbps on 70cm, provided it was a 1/2 duplex system
> where many access users used the same freq in an 'ethernet' type setup.
> Custom hardware for this could have rx/tx switching times such as
> round-trip times from user to user could be kept in the order of a couple
> of hundred ms if not less. In the UK there is ~ 1Mhz of bandwidth in 70cm
> that could be used for this without interference to existing allocations.

Where can I buy the gear?
How much?

> Also 23cm has 7 channels at 150Khz wide already allocated for high-speed
> packet. Having the bandwidth to do it is not a problem, the equiptement
> can be cheap, the power reasonably high and the distance from access
> points 10s of miles. 13cm possible too packet allocations with 200Khz and
> 1Mhz b/w.

Where can I buy the gear?
How much?

> I totally agree that we must move away from the illusion that regular
> rag-chew hardware will do the job. Custom hardware for the access points
> could be homebrewed of mass-produced for ~ 100 UK pounds.
>
> 2. 9600 duplex for the backbones is stupid. Try somthing in the region of
> 10Mbps duplex, what about the all modes section in 9cm. space for LOADS of
> these link side-by side. 10Mbps would be only a beginning. REAL backbone
> links, international links should be looking in the order of 100Mbps
> upwards. The bandwidth *is out there* for multi-megabit duplex backbone
> links on: 13cm, 9cm, 6cm. Duplex base-band transceivers are availible on
> these frequencise (mfrd often for ATV use), can be brought or made for a
> negligible cost - simply waiting to be plugged into the AUIs of eithernet
> cards.

Where can I buy the gear?
How much?

> 3. AX.25 - ditto my comments on 9600 for backbones. Just forget it. and no
> dont even piggy back IP on top of ax25. Industry standard
> ethernet-over-wire protocols are the way to go for the backbone and access
> points.

Sure, and it's simple.
So?

> 4. We need connection to the outside networks, whether by telephone (Voice
> over IP) or internet. Simple change to the liscence, so long as its not
> for commercial use would be fine.

Why?
Do you need it on 20M SSB too?

> 5. We also need to forget DOS bbses, KA9Q or whatever else you're using
> now. Standard ethernet interfaces on Linux, BSD, Unix for the links.
> Standard serial or ethernet comms for the access points.

Where can I buy the gear?
How much?

> 5. The IP address co-ordinators need to start putting their phone numbers
> on the list so that ppl looking for a 44. IP can actually get one. *hint*
> ;)

The local address coordinator has not been on air at least
since I moved here in 1989.

> And before anyone asks, I AM liscensed and fully paid up ham, and no this
> is not vapour. If anyone doubts this - just give me the money and i will
> build you these links access points etc. Someone really does need to do
> this, get a bit of money together to develop these ideas into real
> products (probably cost a few thousand quid and a few hundred hours of
> work for the initial development) and then get a few ads for them placed
> in the magazines.

So do it. Make a bunch of money.
Or is it the usual hot air and no action babble?

> Untill this happens, or someone asks for my help in making this happen, or
> someone offers me a grant to make this happen, im staying off packet and
> on my 56K..

Ah ... I see ... you can't do it.
I've been asking for these products since 1986.
Why can't I buy any?
Because the folks that claim it is "easy" are unable to actually do it.

> Xeno.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1763. Re: KPC-3 question

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-25 04:16:55 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <XSY99.33647$Ke2.2349834@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5637

"VHFRadioBuff" <vhfradiobuff@aol.comspamsux> wrote in message
news:20020824105247.20322.00002812@mb-fv.aol.com...
> >Yup, can be used on any band you like,
> >with any radio you like. Just plug it in ...
>
> Ok, that's great. Do you know of any webpages that I can go to to find out
> about the activity on packet on other bands?

Not 3000 miles from here :-)
Use Google.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1764. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-25 09:06:56 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnamh7hg.7sj.nomail@linux.pe1chl.ampr.org>
Source record: 5638

Hank Oredson <horedson@att.net> wrote:

>> We could easily do 128 Kbps on 70cm, provided it was a 1/2 duplex system
>> where many access users used the same freq in an 'ethernet' type setup.
>> Custom hardware for this could have rx/tx switching times such as
>> round-trip times from user to user could be kept in the order of a couple
>> of hundred ms if not less. In the UK there is ~ 1Mhz of bandwidth in 70cm
>> that could be used for this without interference to existing allocations.

>Where can I buy the gear?
>How much?

The Americans only think about "buy the gear" and "how much".
However, there are designs (from Slovenia) and designs+kits (from Germany)
for doing these things. And probably others.

>> Also 23cm has 7 channels at 150Khz wide already allocated for high-speed
>> packet. Having the bandwidth to do it is not a problem, the equiptement
>> can be cheap, the power reasonably high and the distance from access
>> points 10s of miles. 13cm possible too packet allocations with 200Khz and
>> 1Mhz b/w.

>Where can I buy the gear?
>How much?

Same answer.

>> 5. We also need to forget DOS bbses, KA9Q or whatever else you're using
>> now. Standard ethernet interfaces on Linux, BSD, Unix for the links.
>> Standard serial or ethernet comms for the access points.

>Where can I buy the gear?
>How much?

You sound like the familiar old record player.
But we have seen that many times before in postings from you.

Rob
--
+--------------------------------+-------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+-------------------------------------+

1765. Re: Are there any general sound-card adapters?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-25 09:58:03 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnamhahb.7sj.nomail@linux.pe1chl.ampr.org>
Source record: 5639

Ken <cprstn54zz@att.net> wrote:
>I bought a Rascal for my FT990 radio and am enjoying it. The price is
>very very right but I had to commit to DSR to key PTT and DTR to key
>CW. Buck won't do a third switch, so I can't have TXD key RTTY.

>This started me looking at the other adapters (RigBlaster, MFJ) but I
>couldn't find one that was general, easy to use and cheap. I think I
>am looking for one with only RCA jacks as ports, like the Timewave
>599zx kind of does.

>Sound card in and sound card out could be done with hardwired stereo
>phono plugs on 5 ft cables, since I have never seen a sound card that
>took anything else.

>For the rest, RCA jacks for:

>Radio AF in
>Radio PATCH out
>TXD in (with LED)
>DTR in (with LED)
>RTS in (with LED)
>PTT out (maybe a few of these)
>CW key out
>RTTY SHIFT out

>Then I could make cables with a few RCA plugs on one end (and RTTY
>DIN, DB-9, CW phone plug, mini phone plug, MIC, etc., on the other
>end) and plug the RCA plugs in where my software requires. This
>beats opening the unit up and changing jumpers every time you run an
>oddball program or a hardwired setup (like the Rascal) that works with
>some programs and not others.

>Also, how about an 8-pin MIC thru-adapter that takes inputs from the
>interface, but also lets you plug in your microphone, so you can do
>phone without unplugging?

>Has someone already done this? Am I all wet?

What is the problem? Buy a small cabinet, all the connectors and
switches you want, and wire the thing to your own specs.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

1766. Re: Are there any general sound-card adapters?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-25 12:27:16 UTC
From: cprstn54zz@att.net
Message-ID: <3d68cb8a.432837453@news-server.optonline.net>
Source record: 5640

On 25 Aug 2002 09:58:03 GMT, nomail@pe1chl.ampr.org (Rob Janssen)
wrote:
>What is the problem? Buy a small cabinet, all the connectors and
>switches you want, and wire the thing to your own specs.

The problem is:

-The job is not interesting

-The job is time consuming

-It looks like a product of general usefulness that is better in every
way than the commercial products now sold

-I may have missed a feature that someone more knowledgable would add

-I would rather pay someone to do it and instead play with my radio or
work on the 20 other ham-related jobs I have to do that no one else
can do for me.

Ken KC2JDY

Ken
(to reply via email
remove "zz" from address)

1767. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-25 14:18:35 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <%G5a9.34093$Ke2.2394909@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5641

"Americans" do not think this, but I personally happen to be
interested in buying such gear because I *cannot* build it.

You want to build some? I would buy it.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
news:slrnamh7hg.7sj.nomail@linux.pe1chl.ampr.org...
> Hank Oredson <horedson@att.net> wrote:
>
> >> We could easily do 128 Kbps on 70cm, provided it was a 1/2 duplex system
> >> where many access users used the same freq in an 'ethernet' type setup.
> >> Custom hardware for this could have rx/tx switching times such as
> >> round-trip times from user to user could be kept in the order of a couple
> >> of hundred ms if not less. In the UK there is ~ 1Mhz of bandwidth in 70cm
> >> that could be used for this without interference to existing allocations.
> >
> >Where can I buy the gear?
> >How much?
>
> The Americans only think about "buy the gear" and "how much".
> However, there are designs (from Slovenia) and designs+kits (from Germany)
> for doing these things. And probably others.
>
> >> Also 23cm has 7 channels at 150Khz wide already allocated for high-speed
> >> packet. Having the bandwidth to do it is not a problem, the equiptement
> >> can be cheap, the power reasonably high and the distance from access
> >> points 10s of miles. 13cm possible too packet allocations with 200Khz and
> >> 1Mhz b/w.
> >
> >Where can I buy the gear?
> >How much?
>
> Same answer.
>
> >> 5. We also need to forget DOS bbses, KA9Q or whatever else you're using
> >> now. Standard ethernet interfaces on Linux, BSD, Unix for the links.
> >> Standard serial or ethernet comms for the access points.
> >
> >Where can I buy the gear?

> >How much?
>
> You sound like the familiar old record player.
> But we have seen that many times before in postings from you.
>
> Rob
> --
> +---------------------------------+--------------------------------------+
> | Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
> | AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
> +---------------------------------+--------------------------------------+

1768. Re: KPC-3 question

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-25 15:22:26 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020825112226.28850.00002598@mb-ci.aol.com>
Source record: 5643

>Not 3000 miles from here :-)
>Use Google.

Actually, I'm talking about in general. I've read there is packet activity on
70cm, but on the band plan there is no allocation for digital modes on 70cm.
Any idea what frequencies might be used?
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Beachwood, NJ USA! Grid FM29vw
http://vhfradiobuff.tripod.com

1769. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-25 15:22:30 UTC
From: Xenophon <xenophon@phreaker.net>
Message-ID: <3D68F636.4AC23CB@phreaker.net>
Source record: 5642

Hank Oredson wrote:

> "Xenophon" <xenophon@phreaker.net> wrote in message
> news:3D67A636.6190149F@phreaker.net...
> > Hank Oredson wrote:
> >
> > > Hmmm ... so our 9600 baud network doesn't exist?
> > > Darn! I was having so much fun with it just an hour ago.
> > > .
> >
> > *snort* 9600. thats a f-kin joke. Even if there were enough 9600 nodes and
> > access points to justify calling it a 9600 network its still a laughable
> > baud rate.
>
> And your solution is?

Explained in the rest of the post.

> > We could easily do 128 Kbps on 70cm, provided it was a 1/2 duplex system
> > where many access users used the same freq in an 'ethernet' type setup.
> > Custom hardware for this could have rx/tx switching times such as
> > round-trip times from user to user could be kept in the order of a couple
> > of hundred ms if not less. In the UK there is ~ 1Mhz of bandwidth in 70cm
> > that could be used for this without interference to existing allocations.
>
> Where can I buy the gear?
> How much?

Well, it is conceivable for a ham to build his own gear. However if thats out
of scope for whatever reason, try starting here:
http://www.wa4dsy.net/ [Look at the 56k modem]
http://hydra.carleton.ca/articles/hispeed.html [Look at the speeds above 19.2]
http://www.dutch.nl/bdj/index.htm [Transmitters are here]
http://hydra.carleton.ca/info/pi2.html [Modem cards, nolonger in production,
but availible]
http://www.hamradio.si/hid.html [The guys in Slovenia]

and many many more. do a google search for a starting point. Infact you could
probably put together a solution from products already on the market, if you
did it modularly. What i would like to develop would be an integrated black-box
solution so that people like yourself who only want to ask "Where can i buy it,
how much" can get on high speed packet too.

> > 2. 9600 duplex for the backbones is stupid. Try somthing in the region of
> > 10Mbps duplex, what about the all modes section in 9cm. space for LOADS of
> > these link side-by side. 10Mbps would be only a beginning. REAL backbone

> > links, international links should be looking in the order of 100Mbps
> > upwards. The bandwidth *is out there* for multi-megabit duplex backbone
> > links on: 13cm, 9cm, 6cm. Duplex base-band transceivers are availible on
> > these frequencise (mfrd often for ATV use), can be brought or made for a
> > negligible cost - simply waiting to be plugged into the AUIs of eithernet
> > cards.
>
> Where can I buy the gear?
> How much?

www.rse-electronics.com [Produce a bit of baseband gear, you can use two tx/rx pairs together with shielding]
Also other modified home-brew ATV circuits would do well (no need for (de)emphasis) or Audio sub carrier.

>
> > 3. AX.25 - ditto my comments on 9600 for backbones. Just forget it. and no
> > dont even piggy back IP on top of ax25. Industry standard
> > ethernet-over-wire protocols are the way to go for the backbone and access
> > points.
>
> Sure, and it's simple.
> So?

I dont think i understand that reply, but if you clarify I will do my best to answer.

>
> > 4. We need connection to the outside networks, whether by telephone (Voice
> > over IP) or internet. Simple change to the liscence, so long as its not
> > for commercial use would be fine.
>
> Why?
> Do you need it on 20M SSB too?

I would say no we dont need it on 20M SSB, because on 20M there is plenty of activity, data is not practicable at high speeds due to bandwidth constraints. However if there were the bandwidth availible on HF (which there is nothing like the amout we would like), say a few more Mhz then i would very much like to see stations able to patch calls through from hams in rual areas like on the old ship-phones.

>
> > 5. We also need to forget DOS bbses, KA9Q or whatever else you're using
> > now. Standard ethernet interfaces on Linux, BSD, Unix for the links.
> > Standard serial or ethernet comms for the access points.
>
> Where can I buy the gear?
> How much?

OK:
Linux, try: www.redhat.com for a simple to set up distro.

www.debian.org for a more tweak-able amateur one.
Theres also slackwere, mandrake, linux-from-scratch and many others; the kernel
from www.kernel.org
Linux is free.
Ethernet cards are availible for ~ $20 or ï¿½10 from your local PC supplier.
Serial comms cards similarly, and the modems are availible from companies
listed at
http://hydra.carleton.ca/articles/hispeed.html

> > 5. The IP address co-ordinators need to start putting their phone numbers
> > on the list so that ppl looking for a 44. IP can actually get one. *hint*
> > ;)
>
> The local address coordinator has not been on air at least
> since I moved here in 1989.

Which is exactly why email/tel numbers would be useful.

> > And before anyone asks, I AM liscensed and fully paid up ham, and no this
> > is not vapour. If anyone doubts this - just give me the money and i will
> > build you these links access points etc. Someone really does need to do
> > this, get a bit of money together to develop these ideas into real
> > products (probably cost a few thousand quid and a few hundred hours of
> > work for the initial development) and then get a few ads for them placed
> > in the magazines.
>
> So do it. Make a bunch of money.
> Or is it the usual hot air and no action babble?

How about the fact that I am to busy with my education at the moment and dont
have the money to do the development on my own. However if you will help me,
then I will happily try. Infact this is something i hope to do in my gap year;
to produce a marketable product for high-speed packet cheaply. I have already
been looking into the cost of tx/rx modules, how standard commercial hardware
can be incorporated to keep the price down etc. If you are interested contact
me, also see what the guys in Slovenia did, they have the right idea.

> > Untill this happens, or someone asks for my help in making this happen, or
> > someone offers me a grant to make this happen, im staying off packet and
> > on my 56K..
>
> Ah ... I see ... you can't do it.
> I've been asking for these products since 1986.
> Why can't I buy any?
> Because the folks that claim it is "easy" are unable to actually do it.

Its easy, I can do it. However it is also a hoby. I am currently busy with my
main aim of a formal education. When i have the spare time and some spare money
i will do it. Please remember that this is a hobby and whether i develop
somthing like this for the good of the amateur community is up to me; its not

an obligation. If i was paid to do this then you would have a right to complain that i hadnt come up with the goods yet.

> > Xeno.
>
> --
>
> ... Hank
>
> Hank: http://horedson.home.att.net
> W0RLI: http://w0rli.home.att.net

1770. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-25 17:48:39 UTC
From: Xenophon <xenophon@phreaker.net>
Message-ID: <3D691877.E9CB4084@phreaker.net>
Source record: 5645

Dianne & Brent wrote:

> >> Where can I buy the gear?
> >> How much?
> >
> > Same answer.
>
> Slovenian gear, you said? Do you know of a place where I can find out what
> is available? Or is this an erroneous asking of "where can I get it, and
> how much?" The only thing I detected was a distain for folks who ask where
> they can get kits or radios and how much they cost and a countries' name
> "Solvenia" -- no other information. Do you have it?

like i said in my other post.
http://www.wa4dsy.net/ [Look at the 56k modem]
http://hydra.carleton.ca/articles/hispeed.html [Look at the speeds above 19.2]
http://www.dutch.nl/bdj/index.htm [Transmitters are here]
http://hydra.carleton.ca/info/pi2.html [Modem cards, nolonger in production,
but availible]
http://www.hamradio.si/hid.html [The guys in Slovenia]

1771. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-25 17:55:17 UTC
From: Dianne & Brent <bromo@ix.netcom.com>
Message-ID: <B98E5A05.6413%bromo@ix.netcom.com>
Source record: 5644

On 8/25/02 1:06 AM, in article slrnamh7hg.7sj.nomail@linux.pe1chl.ampr.org,
"Rob Janssen" <nomail@pe1chl.ampr.org> wrote:

> Hank Oredson <horedson@att.net> wrote:
>
>>> We could easily do 128 Kbps on 70cm, provided it was a 1/2 duplex system
>>> where many access users used the same freq in an 'ethernet' type setup.
>>> Custom hardware for this could have rx/tx switching times such as
>>> round-trip times from user to user could be kept in the order of a couple
>>> of hundred ms if not less. In the UK there is ~ 1Mhz of bandwidth in 70cm
>>> that could be used for this without interference to existing allocations.
>
>> Where can I buy the gear?
>> How much?
>
> The Americans only think about "buy the gear" and "how much".
> However, there are designs (from Slovenia) and designs+kits (from Germany)
> for doing these things. And probably others.

Yes, because of you want gear or kits we have to buy it. I do not know of
what alternatives you have to purchase, but they generally are not legal
here.

>>> Also 23cm has 7 channels at 150Khz wide already allocated for high-speed
>>> packet. Having the bandwidth to do it is not a problem, the equiptement
>>> can be cheap, the power reasonably high and the distance from access
>>> points 10s of miles. 13cm possible too packet allocations with 200Khz and
>>> 1Mhz b/w.
>
>> Where can I buy the gear?
>> How much?
>
> Same answer.

Slovenian gear, you said? Do you know of a place where I can find out what
is available? Or is this an erroneous asking of "where can I get it, and
how much?" The only thing I detected was a distain for folks who ask where
they can get kits or radios and how much they cost and a countries' name
"Solvenia" -- no other information. Do you have it?

>
>>> 5. We also need to forget DOS bbses, KA9Q or whatever else you're using
>>> now. Standard ethernet interfaces on Linux, BSD, Unix for the links.
>>> Standard serial or ethernet comms for the access points.
>
>> Where can I buy the gear?

>> How much?
>
> You sound like the familiar old record player.
> But we have seen that many times before in postings from you.

I am curious, though, who has these kits? Do you have a compnay name or supplier I can find out what is on offer?

Thanks,
Brent
N0RZU

1772. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-25 18:01:54 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <mY8a9.4024$p%3.293348@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5646

"Xenophon" <xenophon@phreaker.net> wrote in message
news:3D68F636.4AC23CB@phreaker.net...
> Hank Oredson wrote:

Atrributions kinda trashed since this is getting a bit long.

> >
> > > 3. AX.25 - ditto my comments on 9600 for backbones. Just forget it. and
no
> > > dont even piggy back IP on top of ax25. Industry standard
> > > ethernet-over-wire protocols are the way to go for the backbone and
access
> > > points.
> >
> > Sure, and it's simple.
> > So?
>
> I dont think i understand that reply, but if you clarify I will do my best to
> answer.

It is trivial to run tcp/ip over wires ... it's called the internet.
I'm using it right now.

We already have tcp/ip running just fine here, using radio.
It is simple to do.

The protocol makes little difference to me ... what we have
works fine. But I'd sure like some faster hardware. Not a kit.
Not something I have to tweak and align and build. Something
I can plug into my computer and my coax. I'm not interested
in that part of the project. I am intersted in the software part.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1773. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-25 18:07:27 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <z19a9.4028$p%3.294380@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5647

"Xenophon" <xenophon@phreaker.net> wrote in message
news:3D68F636.4AC23CB@phreaker.net...
> Hank Oredson wrote:

> > > 5. We also need to forget DOS bbses, KA9Q or whatever else you're using
> > > now. Standard ethernet interfaces on Linux, BSD, Unix for the links.
> > > Standard serial or ethernet comms for the access points.
> >
> > Where can I buy the gear?
> > How much?
>
> OK:
> Linux, try: www.redhat.com for a simple to set up distro.
> www.debian.org for a more tweak-able amateur one.
> Theres also slackwere, mandrake, linux-from-scratch and many others; the
kernel
> from www.kernel.org
> Linux is free.

That is software. I have plenty of software that does exactly
what I want to do, and can write more as needed. It's free.

> Ethernet cards are availible for ~ $20 or ?10 from your local PC supplier.

I have bunches of them.

> Serial comms cards similarly, and the modems are availible from companies
> listed at
> http://hydra.carleton.ca/articles/hispeed.html

Um ... what does this have to do with radio ???

I already *have* a *lot* more software capability than any of the stuff
you mentioned. Software is hardly a problem for me :-)

Now tell me about the radios.

Oh, wait, you must think this newsgroup is alt.hams.playing.pretend.radio ?
You seem unaware of what is being done over the air already.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1774. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-25 18:13:35 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <j79a9.4036$p%3.294212@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5648

"Xenophon" <xenophon@phreaker.net> wrote in message
news:3D68F636.4AC23CB@phreaker.net...
> Hank Oredson wrote:

<clippage>

> > So do it. Make a bunch of money.
> > Or is it the usual hot air and no action babble?
>
> How about the fact that I am to busy with my education at the moment and dont
> have the money to do the development on my own. However if you will help me,
> then I will happily try. Infact this is something i hope to do in my gap
year;
> to produce a marketable product for high-speed packet cheaply. I have already
> been looking into the cost of tx/rx modules, how standard commercial hardware
> can be incorporated to keep the price down etc. If you are interested contact
> me, also see what the guys in Slovenia did, they have the right idea.

Oh, never mind.

I'm busy being retired ... but I have already done three different business
plans: one for software and two for hardware. None, as it turned out,
would produce a viable busines. So I stuffed 'em in the "Good ideas
that did not work out" drawer in the file cabinet. If you have a plan you
think might work, there are some of us out here that might well fund
such an undertaking. So get the education, don't forget both the
technical and business parts, and (as my favorite VC used to say)
"Come with a plan and we'll talk."

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1775. Re: KPC-3 question

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-25 18:17:22 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <Sa9a9.4042$p%3.295287@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5649

Frequency use on VHF / UHF is regional.

If you were here in NW Oregon or SW Washington, the info
on my web site would tell you all you need to know.

But you are in NJ, some 3000 miles away.

I tried Google and got dozens of hits ... including general information
about packet in NJ, network design, software used, etc. etc. etc.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"VHFRadioBuff" <vhfradiobuff@aol.comspamsux> wrote in message
news:20020825112226.28850.00002598@mb-ci.aol.com...
> >Not 3000 miles from here :-)
> >Use Google.
>
> Actually, I'm talking about in general. I've read there is packet activity on
> 70cm, but on the band plan there is no allocation for digital modes on 70cm.
> Any idea what frequencies might be used?
> =-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
> 73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
> Beachwood, NJ USA! Grid FM29vw
> http://vhfradiobuff.tripod.com

1776. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-25 20:28:41 UTC
From: Dianne & Brent <bromo@ix.netcom.com>
Message-ID: <B98E7DF9.645D%bromo@ix.netcom.com>
Source record: 5650

On 8/25/02 9:48 AM, in article 3D691877.E9CB4084@phreaker.net, "Xenophon"
<xenophon@phreaker.net> wrote:

> Dianne & Brent wrote:
>
>>>> Where can I buy the gear?
>>>> How much?
>>>
>>> Same answer.
>>
>> Slovenian gear, you said? Do you know of a place where I can find out what
>> is available? Or is this an erroneous asking of "where can I get it, and
>> how much?" The only thing I detected was a distain for folks who ask where
>> they can get kits or radios and how much they cost and a countries' name
>> "Solvenia" -- no other information. Do you have it?
>
> like i said in my other post.
> http://www.wa4dsy.net/ [Look at the 56k modem]
> http://hydra.carleton.ca/articles/hispeed.html [Look at the speeds above 19.2]
> http://www.dutch.nl/bdj/index.htm [Transmitters are here]
> http://hydra.carleton.ca/info/pi2.html [Modem cards, nolonger in production,
> but availible]
> http://www.hamradio.si/hid.html [The guys in Slovenia]

THANKS! I didn't get the original post.

1777. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-25 22:37:14 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <u_ca9.1773$se.353673352@newssvr30.news.prodigy.com>
Source record: 5501

"Xenophon" <xenophon@phreaker.net> wrote in message
news:3D68F636.4AC23CB@phreaker.net...
> >
> > So do it. Make a bunch of money.
> > Or is it the usual hot air and no action babble?
>
> How about the fact that I am to busy with my education at the moment and
dont
> have the money to do the development on my own. However if you will help
me,
>

Hank has a point... You can google back over this newsgroup's last decade or so of postings and find dozens, perhaps HUNDREDS that sound almost identical to yours. So far, I have not heard of a single case where the poster went on to build and demonstrate anything tangible. They all have great ideas, and are all outaged that somebody else does not act upon them.

Yes, I feel the same way... If somebody else would act upon all my great ideas, most of our problems would have been straightened out by now. You bet!

Most of the posts like yours come from other students, learning all about Linux and tcpip. All of that high-speed stuff appears so EASY to aquire, set up, and run to them. It's a snap! - But you don't hear about any of them actually building network. Maybe a demo system with two or three users, but no network. Obviously, you and your fellow students are overlooking something very basic. Something fundamental is whizzing right over your heads.

Ten years of the same kind of posts, parroted verbatum ad nauseum. - Ten years of zero results. Obviously, there's a hole or two in the paradigm.

To see what the the folks who DO build network have been up to:
http://www.uspacket.net

Some of it is high-speed, a lot of it has IP running over it, but none of it is as you describe. You should ask yourself "why", eschewing the sour grapes and approaching the question critically. Try thinking independently, outside the box of the flawed paradigm you have been led to base all of your expectations upon.

Let us know what you discover.

Charles, "Show me your network" N5PVL

1778. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-25 22:55:13 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <lfda9.1777$kP.355591305@newssvr30.news.prodigy.com>
Source record: 5502

"Xenophon" <xenophon@phreaker.net> wrote in message
news:3D68F636.4AC23CB@phreaker.net...
>
> http://www.wa4dsy.net/ [Look at the 56k modem]
> http://hydra.carleton.ca/articles/hispeed.html [Look at the speeds above
19.2]
> http://www.dutch.nl/bdj/index.htm [Transmitters are here]
> http://hydra.carleton.ca/info/pi2.html [Modem cards, nolonger in
production,
> but availible]
> http://www.hamradio.si/hid.html [The guys in Slovenia]

I appreciate the link for the PE1JPD 23cm data-transciever.
http://hydra.carleton.ca/info/pi2.html I had that link previously, lost it,
and needed it for a project.

Charles, N5PVL

1779. WTB - M-1200 Decoder

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-26 01:05:58 UTC
From: RJS <rsand@in-box.net>
Message-ID: <6mvimus9i3q2pknmgm4f6smn4si143b9un@4ax.com>
Source record: 5503

Looking for a used Univeral M-1200.

rsand@in-box.net

1780. Remote packet radio outlet for AR-Cluster...

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-26 01:16:06 UTC
From: Ron <not-my@real-address.abc>
Message-ID: <lgfa9.1095$ij7.15154@eagle.america.net>
Source record: 5504

See http://dxspots.com for a detailed explanation of how to provide packet radio dx spot service.

Ron N5IN

1781. Kenwood TS-2000 TNC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-26 13:35:27 UTC
From: Dennis R Zabawa <dzabawa@comcast.net>
Message-ID: <z8qa9.206998$m91.8510492@bin5.nnrp.aus1.giganews.com>
Source record: 5505

Has anyone in the group had any experience using the built-in TNC in a Kenwood TS-2000? I already know that it is limited in capabilities but, what have YOU personally been able to do with it?

Dennis - KG4RUL

1782. Hazeltine 1510 help?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-27 02:50:46 UTC
From: KC8SSG <crandall@ee.net>
Message-ID: <aOBa9.187$73.3901@news>
Source record: 5506
Cross-posted to: alt.ham-radio.packet,alt.radio.digital,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

I came across an old terminal and was wondering if there is any info on
getting it on packet? I think they were used as packet terminals at one time
but not sure.I'm having trouble getting it running,the small toggle switches
are out of whack and need some guidance.
Thanks all
Rob KC8SSG

1783. Re: Hazeltine 1510 help?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-27 05:30:47 UTC
From: "Bob M." <xxxxx@yyyy.zzz>
Message-ID: <b8Ea9.110686$Aw4.4769439@bin2.nnrp.aus1.giganews.com>
Source record: 5507
Cross-posted to: alt.ham-radio.packet,alt.radio.digital,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

Ah yes, the old Hazeltine 1510. I have three or four at my house, and the manuals for them. Here's the necessary settings for the DIP switches just to get you going.

Three banks of switches, from left to right, D means set towards the keyboard, U means towards the CRT.

Left bank: U U U U U U D U sets the speed to 9600 baud. Only one switch can be down at a time. Towards the left are lower baud rates; the right-most switch is 19,200 baud.
Middle bank: U U U D U U D D sets the unit for standard full-duplex RS-232 and no translations.
Right bank: U U U D U U U U sets ESCAPE as the lead-in character; set them all U for TILDE as the lead-in character.

The terminal normally comes up in DIM or background mode. To get it to be bright, you need to program it with a specific sequence of characters that depends on the lead-in character you've selected. There's not much else special about the unit except the video electronics mounted to the top of the cabinet tends to get quite hot.

I usually jumper the male DB-25 connector pins 4+5, 6+8+20. The terminal transmits data on pin 2, receives data on pin 3, signal ground is pin 7, chassis ground is pin 1.

If you need more info, I could make copies of necessary pages from the operator's manual. I bought one new in 1978 for $850, and that was cheap back then. Any more questions, please don't hesitate to ask. Good luck with it.

Bob M. WA1MIK
==========
"KC8SSG" <crandall@ee.net> wrote in message news:aOBa9.187$73.3901@news...
> I came across an old terminal and was wondering if there is any info on
> getting it on packet? I think they were used as packet terminals at one
time
> but not sure.I'm having trouble getting it running,the small toggle
switches
> are out of whack and need some guidance.
> Thanks all
> Rob KC8SSG
>
>

1784. PSK ON MFJ 1278B AND MULTICOMM SOFTWARE

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-27 05:35:10 UTC
From: "news-server.ec.rr.com" <lsbean@gibralter.net>
Message-ID: <icEa9.48907$iP2.2305675@twister.southeast.rr.com>
Source record: 5508
Cross-posted to: rec.radio.amateur.digital,rec.radio.amateur.digital.misc

I sent a similar message a week ago and didn't get any responses from regular users. Has anyone used this tnc and software combination to work psk? This is the software that MFJ claims works with their tnc and enables PSK, SSTV modes, etc. It uses a combination of serial and soundcard interface. I have continuous lockup and resource problems on multiple computers/platforms and OS'. I want to hear from other users if they exist. Do you experience similar problems?

Thanks in advance,

Loy
KN4SA

1785. Re: Hazeltine 1510 help?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-27 08:27:21 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnammdv9.mq2.nomail@linux.pe1chl.ampr.org>
Source record: 5509
Cross-posted to: alt.ham-radio.packet,alt.radio.digital,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

Bob M. <xxxxx@yyyy.zzz> wrote:
>Right bank: U U U D U U U U sets ESCAPE as the lead-in character; set them
>all U for TILDE as the lead-in character.

Ahh... the famous Hazeltine ~ braindamage :-)
At least on this model it can be avoided...

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

1786. Xilinx FPGAs

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-27 09:20:13 UTC
From: g8dju@qsl.net
Message-ID: <d4ca5c57.0208270120.6e60b988@posting.google.com>
Source record: 5510

Hi All,

I have a number of Xilinx XCS20XL FPGAs in the 100 pin QFP package.
These FPGAs are 3.3V. If anybody would like to use them for Amateur
Radio purposes, modem, repeater control etc. let me know and we can
sort something out. (The XCS20 5V is used in the Baycom EPPFLEX & USB
modems)

Regards

Jon G8DJU

1787. Re: Packet radio controlled by PDA?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-27 11:27:34 UTC
From: ralphmw@aol.com
Message-ID: <20020827072734.25347.00003717@mb-fz.aol.com>
Source record: 5511

I've been using an old Casio A-10 HPC running Windows CE for years. I think I was one of the earlier people to get on here & discuss this. Your device whether it's a Palm or CE device are basically the same. You need a decent communications program on it to hand-shake with the TNC. Your main job is to fiddle with the parameters of the progam to get it to "talk" to the TNC properly & to your liking. The "Terminal" program in Windows devices works well. There is also PalmAPRS, APRS-CE, PakRattCE, probably others to my knowledge. A main hardware task other than getting the proper adapters to connect to each other is that a PDA is considered a device, not a terminal. Simply, you must use a null modem to have your device (PDA) to "talk" to your other device (TNC). Once you get this running, you see your TNC handshake with your PDA like your TNC's CMOS info scroll across your screen, you are nearly ready to talk. What's that? You can't see what you're typing. Type in "echo on". Now you should be able to see what you're typing. I use a Casio A-10 4MB Windows CE 2.2 HPC, Paccomm PicoPacket, & Alinco DJ-190T HT. It all fits nicely in one of the Radio Shack radio fanny packs. Don't be afraid to experiment.

Ralph NH6QT/W3

1788. Re: Hazeltine 1510 help?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-27 13:13:16 UTC
From: Jake Brodsky <frussle@erols.com>
Message-ID: <u9ummugo3j11pu453o28efs3ojtpao5nab@4ax.com>
Source record: 5512
Cross-posted to: alt.ham-radio.packet,alt.radio.digital,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

On Tue, 27 Aug 2002 02:50:46 GMT, "KC8SSG" <crandall@ee.net> wrote:

>I came across an old terminal and was wondering if there is any info on
>getting it on packet? I think they were used as packet terminals at one time
>but not sure.I'm having trouble getting it running,the small toggle switches
>are out of whack and need some guidance.

Boy, that's a bit of history there! What you have there is a dumb terminal. It doesn't have any packet capabilities without a Terminal Node Controller (TNC). If you do not have the manual for one, you might be able to find some data on it by reverse compiling the termcap files on most unix or linux style operating systems.

Many of us used to adjust the prompts from the TNC gear we were using to make the display a bit prettier, but that's about all I remember of the Hazeltine. My brother used to own a Hazeltine 1400. So I do remember something about it, although it was around 25 years ago...

If I were you, I'd try to find something a bit more recent to use for packet work.

73,

Jake Brodsky, AB3A mailto:frussle@erols.com
"Beware of the massive impossible!"

1789. Re: Simpel 20 m Transmitter

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-27 21:23:30 UTC
From: vdberghak@zonnet.nl
Message-ID: <a62e44f4.0208271323.3a01f9f8@posting.google.com>
Source record: 5513
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.homebrew

"xpyttl" <xpyttl_nospam@earthling.net> wrote in message
news:<umgc4v4rbfsae8@corp.supernews.com>...
> There have been a number of articles in the QRP Homebrewer and QQ, if I
> recall, on simple PSK rigs. You might check the NJQRP site,
> http://www.njqrp.org, most probably there are schematics of an 80 meter PSK
> rig that could give you ideas.
>
> Also, you might check the DL-QRP club at http://www.werdau.net/dl-qrp-ag/.
> The transmitter circuit from their Black Forest rig might be pressed into
> service. I'm not a German speaker but it appears there is more on their
> German language pages than their English pages so there may be something
> else there useful, as well.
>
> You might also try emailing Peter, DL2FI, who is the engine behind DL-QRP.
> He is one heck of a fun guy and a bundle of ideas. (Also a recent inductee
> to the QRP Hall of Fame).
>
> ..
>
> "Andreas Weller" <weller@andreas-weller.de> wrote in message
> news:ak013v$m3f$05$1@news.t-online.com...
> > Hallo!
> >
> > I'm looking for schematics for an easy to build simple Transmitter for 20
> m.
> > I want to take it on holiday for PSK31. So it can be on the fixed
> frequency
> > 14.070 MHz.
> > I know that there are schematics for such a device out there - but I
> didn't
> > find it.
> >
> > Thank you very much!
> >
> > 73 de DF1PAW, Andreas Weller
> >
> >

Hi,
about a year ago (in the summer of 2001) there was an article in QST
with a x-tal controlled transceiver specialy intented for PSK31.
May be this information can help you because may be someone can
provide you a copy.

Good luck,
Chris PA3CRX

1790. Re: Hazeltine 1510 help?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-27 23:45:57 UTC
From: "M.E." <bogus@nospam.com>
Message-ID: <umo3kul1pc35e6@corp.supernews.com>
Source record: 5514
Cross-posted to: alt.ham-radio.packet,alt.radio.digital,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

I used one for packet years ago. All you need is a TNC, and the teminal will
display well, but you can't save anything to memory, but you can print it
out with you printer.
Perhaps a KAM would work nicely.

--
Respond to my "real" e-mail;
kk5dr@ev1.net
"KC8SSG" <crandall@ee.net> wrote in message news:aOBa9.187$73.3901@news...
> I came across an old terminal and was wondering if there is any info on
> getting it on packet? I think they were used as packet terminals at one
time
> but not sure.I'm having trouble getting it running,the small toggle
switches
> are out of whack and need some guidance.
> Thanks all
> Rob KC8SSG
>
>

1791. Re: APRS and Geo Cache

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-28 00:16:07 UTC
From: Rich Haan <rlhaan@netins.net>
Message-ID: <hb5omuoppeve5nga4qfoi0qn7rasfr0tml@4ax.com>
Source record: 5515
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.misc

Hans,

Take a look at:
http://www.geocaching.com/seek/cache_details.asp?ID=16679 and
http://www.kg4cnm.com/geocaching.htm for what KG4CNM is doing with the
combination.

73 de Rich, N0OHO

On Thu, 22 Aug 2002 02:48:09 GMT, "Kï¿½HB"
<KAYZEROHANDSOMEBOY@ELECTRICSMOKE.NET> wrote:

>These two seem like a 'natural combination' of hobbies. Anyone working them
>together?
>
>ï¿½ï¿½ï¿½ 73, de Hans, K0HB
>SOC # 291 http://www.qsl.net/soc

1792. Re: Hazeltine 1510 help?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-28 02:24:28 UTC
From: KC8SSG <crandall@ee.net>
Message-ID: <wvWa9.200$73.4289@news>
Source record: 5516
Cross-posted to: alt.ham-radio.packet,alt.radio.digital,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

Thank you both I was just wondering how and what it would take. Thanks for
your help.
Rob KC8SSG
"M.E." <bogus@nospam.com> wrote in message
news:umo3kul1pc35e6@corp.supernews.com...
> I used one for packet years ago. All you need is a TNC, and the teminal
will
> display well, but you can't save anything to memory, but you can print it
> out with you printer.
> Perhaps a KAM would work nicely.
>
> --
> Respond to my "real" e-mail;
> kk5dr@ev1.net
> "KC8SSG" <crandall@ee.net> wrote in message news:aOBa9.187$73.3901@news...
> > I came across an old terminal and was wondering if there is any info on
> > getting it on packet? I think they were used as packet terminals at one
> time
> > but not sure.I'm having trouble getting it running,the small toggle
> switches
> > are out of whack and need some guidance.
> > Thanks all
> > Rob KC8SSG
> >
> >
>
>

1793. Re: KPC-3 question

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-28 03:58:00 UTC
From: g0lfp@hotmail.com
Message-ID: <memo.20020828045835.50803A@127.0.0.1>
Source record: 5517

In article <3D67C8C6.AAF12AD5@nomorespamepacifier.com>,
amibobmoreornot@nomorespamepacifier.com (Bob Morehouse) wrote:

> It can be used with any radio, however the KPC-3 is intended for use on
> VHF. If you are wanting to use it on frequencies lower than 2 meters,
> you will want a tnc that can go to 300 baud with the proper modem
> tones. Per page 25 in the KPC-3 manual (version 5.0): "Although the
> KPC-3 can operate 300 baud, the modem tones will still use a 1000 Hz
> shift whereas most HF packet uses a 200 Hz shift."
>
> Bob, KB7ADO
>
>
> =DO NOT USE REPLY BUTTON=
> reply to: bobmore at pacifier dot com
>
there may still be some 10FM activity, that uses the same tones/shift as
V/UHF to be honest, I haven't heard any for ages, but then I haven't
listened ! Try listening around 29.250FM for Northern Europe. ISTR that
there were some OH's around there.

regards - Steve
ICQ 8554470

1794. Re: Simpel 20 m Transmitter

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-28 12:13:35 UTC
From: Andreas Weller <weller@andreas-weller.de>
Message-ID: <akiep8mvo07$1@news.t-online.com>
Source record: 5518
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.homebrew

Thank you!
Good idea - if someone would be so nice to scan the article, please

Thanks!

Andreas Weller, DF1PAW

> Hi,
> about a year ago (in the summer of 2001) there was an article in QST
> with a x-tal controlled transceiver specialy intented for PSK31.
> May be this information can help you because may be someone can
> provide you a copy.
> Good luck,
> Chris PA3CRX

1795. Re: Simpel 20 m Transmitter

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-28 13:32:42 UTC
From: blackm00@cam.org
Message-ID: <6447bcd3.0208280532.72ddd507@posting.google.com>
Source record: 5519
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.homebrew

vdberghak@zonnet.nl (Chris) wrote in message
news:<a62e44f4.0208271323.3a01f9f8@posting.google.com>...
>
> Hi,
> about a year ago (in the summer of 2001) there was an article in QST
> with a x-tal controlled transceiver specialy intented for PSK31.
> May be this information can help you because may be someone can
> provide you a copy.
> Good luck,
> Chris PA3CRX

Yes, it's the March 2001 issue of QST, on page 37, "The Warbler --
A Simple PSK31 Transceiver for 80 Meters", by Dave Benson and
George Heron. I dug up the article when I first saw this thread,
then just didn't get around to posting.

It certainly is simple, trading duplication (they use separate
crystal filters for both transmit and receive) for simplicity
no fussing with a lot of switching between RX and TX).
It a direct conversion transceiver, with the crystal filters
right on the operating system; in this case they use 3.58MHz
subcarrier crystals for the ladder filters.

Michael VE2BVW

1796. 603 beam and tower 4sale

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-08-31 11:15:04 UTC
From: Me <j.dauphinais@worldnet.att.net>
Message-ID: <Yy1c9.44268$Ke2.3113498@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5520
Cross-posted to:
rec.radio.amateur.digital.misc,rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

I have for sale 1 full size "HY-Gain" beam 10 meters. fully assembled for your inspection. 13' Boom and longest element is 22' $100.00 I also have a steel tower totaling 25'. this is in 3 sections 1 10 foot st8 and 1 5foot st8 and 1 10 foot top section. I don't not have a rotator. $50.00. pickup only from Nashua,NewHampshire. I am selling these because they are to big for my new QTH. This beam has spent a large portion of its life in storage. 73's Jeff AA1GR

1797. ?KPC-4 32K Memory Upgrade?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-01 00:48:08 UTC
From: "Thomas M. Alldread" <tmaldred@island.net>
Message-ID: <65o2nus5cuh8jcmo7rjku98oi3lnu0seph@4ax.com>
Source record: 5521

Greetings All:

I would like to do the memory expansion upgrade to a KPC-4 version 5.1 but I am unable to obtain the technical details from Kantronics as this TNC is discontinued. However Kantronics did advise that all I need to do is get the proper components from DigiKey and complete the installation.

I wonder if anyone here has the details on what is involved to expand the memory? I suspect it is just a matter of obtaining the appropriate 32K RAM chip and installing it in the place of the existing 16K? chip. Can anyone here confirm this and advise of the number for the chip I need?

Also as a lessor priority I would like to install the battery backup and/or SmartWatch options. Any information on these options would also be helpful.

Many thanks in advance for any replies!

73 & Enjoy!
Tom, VA7TA

1798. Need help on Alinco DR135TP

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-01 02:04:45 UTC
From: IGotYerNameRightHere <jimkd1yv@notreallysnet.net>
Message-ID: <3D717670.CB93AA89@notreallysnet.net>
Source record: 5522
Cross-posted to: rec.radio.amateur.digital.misc,alt.ham-radio.packet

A friend just bought an Alinco DR135TP and is having problems
getting the computer to talk to it. He can't get any response on
the computer from the TNC, either in a couple of packet programs,
nor in Telnet. He says that the ports are set correctly.

He took it to the dealer the other day, and after some futzing
around, they were able to get it to work.

Does anybody have a suggestion for me before I go? Common
problems? Useful FAQs?

Thanks in advance,
--
72/73 de Jim, KD1YV

1799. Re: Need help on Alinco DR135TP

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-01 13:46:19 UTC
From: Bruce Lane <feedspammerstosharks.4.spamvac@spamgourmet.com>
Message-ID: <MPG.17dbba07d600f3489899b7@news.drizzle.com>
Source record: 5523
Cross-posted to: rec.radio.amateur.digital.misc,alt.ham-radio.packet

In article <3D717670.CB93AA89@notreallysnet.net>,
jimkd1yv@notreallysnet.net says...

> A friend just bought an Alinco DR135TP and is having problems
> getting the computer to talk to it. He can't get any response on
> the computer from the TNC, either in a couple of packet programs,
> nor in Telnet. He says that the ports are set correctly.

<snip>

The most common problems I've seen in ANY serial-port type
communications situation are:

--Cable not wired correctly (this is a big one. Check that cable!
RTFM! Use a breakout box!)

--Comm parameters on one port do not match the other.

--Bad RS232 line driver/receiver chip at one end or the other (used
to be easy to replace. Not so with a lot of stuff today. Use an O-scope
or a good logic probe to troubleshoot).

Good hunting.

--
Bruce Lane, Owner and Head Hardware Heavy,
Blue Feather Technologies -- http://www.bluefeathertech.com
Amateur Radio: KC7GR (Formerly WD6EOS) since 12-77.
kyrrin (a/t) bluefeathertech dot-com (Reassemble to use)
"I'll get a life when someone demonstrates to me it would be superior to
what I have now..." (Taki Kogoma)

1800. FS...F/Swap...ES TKS...

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-01 14:18:59 UTC
From: GM0PYC <dogd@madasafish.com***>
Message-ID: <_kpc9.4335$GV5.72331@newsfep1-win.server.ntli.net>
Source record: 5524

Thank you to all jenuine enquires. Now the IC746, Yaesu FT707 ES Matching Pwr Supply ES Speaker FP707 and Graphic EQ have all now been sold. The below goods are still for sale.

****Garmin GPS 12XP MAPPER****

GPS Garmin 12XP has latest software on-board (Latest software upgrades available on-line from Garmin) 12 SAT channels. Includes Full manual and quick guide chart, soft carry case and External Sat Antenna along with Data and Power Leads. Comes with 9 months guarantee I want £150 no offers please.

Buyer collects or Courier...

****OPTOELECTRONICS DIGITAL SUPERSCOUT****

OptoElectronics Digital SuperScout. See the latest information about this wonderful snooper.... Covert.... Intelligence RF scanner. It is compatible along with almost all the latest scanning equipment. Just plug and play for hi-speed (Lightning fast) freq. QSYs. Also use it alone for building up a data-base or Freq. list for listening in conjunction with other type Radio RX type equipment or simply use it for Bug Scanning ETC. My Price immaculate condition along with charger and NmIh Battery pack full instruction manual. My asking price Is £200 no offers.

Buyer collects or Courier...

****DANMike Digital DSP Scramblers****

DanMike Digital DSP Scramblers x2. Suitable for all types of TX-RX equipment. Just configure them to your equipment's microphone wiring schematic. These are very secure offering thousands of different sequential combinations for Digital DSP encryption (Have been tested into Dummy Load and configured for IC746 & FT847). Come complete in boxes including manuals and pre-wired for the above radio equipment. My asking price is £100 no offers.

Buyer collects or Courier...

**********CABLE**********CABLE**********

For Sale I have x7 250 Mtr Drums of VR304 7/8ths 50Ohm Vy Low Loss Cable. This cable runs rings round (Andrews Heliax)7/8ths and is some what more

flexible. It is used for SHF frequencies on all mobile cellular mast instalations. Comes with a Solid outer shield then x2 Foil outers and then a very heavy Silvered Braid. The centre core is Air Spaced in a poly Air cell dialectric. Losses per 250 Mtr drum @ 13cm are typicaly 3.2dB...

Anyone interested in this type of Cable for the Hobby please mail me. This cabel can be used for all bands including HF when extremely long runs are required. Only serious enquires please. You pay for the transportation of this Cable. 1 Drum weighs approx 75Kg I am asking a moderate £150 for each drum. If you are a 70cm and up man/women and do not want loss this is the cable for you!

DE GM0PYC
Roy...

1801. ptt circuit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-01 16:44:10 UTC
From: Denis <sinedb@email.it>
Message-ID: <aktft4$1l8ltv$1@ID-106390.news.dfncis.de>
Source record: 5525

are there also ptt circuit that
work with other port?
(not serial or parallel?)
thanks...

denis

1802. SSTV calibration problem

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-01 20:52:33 UTC
From: Gert-Jan Dam <ktv@dds.nl>
Message-ID: <akturd$1iquk9$1@ID-157801.news.dfncis.de>
Source record: 5526

I'm using mscan and have problems with pci sound blasters. A 16 bit SB works fine but when I try a newer SB I have a problem with calibration. Incoming calibration works fine. But when I calibrate the outgoing signal it works ok until I close the program. When I restart the program incoming calibration is ok but I do have to calibrate the outgoing signal every time I run the program. Whith te 16 bit SB its not nessesary to calibrate the outgoing signal.
I'm running win 200 pro on a AMD K6 400 MHz

--
Gert-Jan Dam
PA3FIO ktv@dds.nl
Antennes, Zelfbouw, TVI, Links, etc
http://www.ktv.dds.nl

1803. Re: ptt circuit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-01 22:56:25 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <tWwc9.4697$NX5.1142184054@newssvr30.news.prodigy.com>
Source record: 5527

FlexNet

http://www.afthd.tu-darmstadt.de/~flexnet/

has PTT circuits for Com ports, Parallel ports. MIDI ports and game ports,
if I remember correctly.

Charles, N5PVL

"Denis" <sinedb@email.it> wrote in message
news:aktft4$1l8ltv$1@ID-106390.news.dfncis.de...
> are there also ptt circuit that
> work with other port?
> (not serial or parallel?)
> thanks...
>
> denis
>
>

1804. WTB: Soundcard to FT-100D cable for PSK-31

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-02 05:39:32 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020902013932.04007.00000845@mb-cf.aol.com>
Source record: 5528

I am looking for a cable to plug my FT-100D into my soundcard for PSK-31. If anyone has one, please email me.

=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-

73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Beachwood, NJ USA! Grid FM29vw
http://vhfradiobuff.tripod.com

1805. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-03 04:02:27 UTC
From: Russell Hltn <reply@2newsgroup.com>
Message-ID: <al1dg6$722$1@nntp-m01.news.aol.com>
Source record: 5529

It's not that simple. Wire has near perfect propagation and all receivers can hear all senders. This is a requirement for "collision detection and retry" that is used in wire. If hams will take the challenge there is room to innovate wireless protocols.

Yes, I think TCP/IP is the way to go simply because it supports so much, but the details of the underlying protocol (in case of wire, Ethernet) needs to be worked out for cheap and effective wireless.

"Xenophon" <xenophon@phreaker.net> wrote in message news:3D67A636.6190149F@phreaker.net...
>
> 3. AX.25 - ditto my comments on 9600 for backbones. Just forget it. and no
> dont even piggy back IP on top of ax25. Industry standard
> ethernet-over-wire protocols are the way to go for the backbone and access
> points.

1806. Re: WTB: Soundcard to FT-100D cable for PSK-31

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-03 04:51:17 UTC
From: Bruce Lane <feedspammerstosharks.4.spamvac@spamgourmet.com>
Message-ID: <MPG.17dddf9d5ab8cc849899c0@news.drizzle.com>
Source record: 5530

In article <20020902013932.04007.00000845@mb-cf.aol.com>,
vhfradiobuff@aol.comspamsux says...

> I am looking for a cable to plug my FT-100D into my soundcard for PSK-31. If
> anyone has one, please email me.

Curiousity: Is there some oddball circuitry in such a cable that
prevents you from making one?

--
Bruce Lane, Owner and Head Hardware Heavy,
Blue Feather Technologies -- http://www.bluefeathertech.com
Amateur Radio: KC7GR (Formerly WD6EOS) since 12-77.
kyrrin (a/t) bluefeathertech dot-com (Reassemble to use)
"I'll get a life when someone demonstrates to me it would be superior to
what I have now..." (Taki Kogoma)

1807. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-03 07:29:46 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <9qi8nuocnj7ni0jaqgkg3va1b7eq0enej5@4ax.com>
Source record: 5531

On Mon, 2 Sep 2002 18:02:27 -1000, "Russell Hltn"
<reply@2newsgroup.com> wrote:

>It's not that simple. Wire has near perfect propagation and all
>receivers can hear all senders. This is a requirement for "collision
>detection and retry" that is used in wire. If hams will take the
>challenge there is room to innovate wireless protocols.
>
>Yes, I think TCP/IP is the way to go simply because it supports so
>much, but the details of the underlying protocol (in case of wire,
>Ethernet) needs to be worked out for cheap and effective wireless.

The problem seems to be that those interested in packet radio or other high speed digital communication, but they are not interested in radio wave propagation or radio design.

It appears that most attempts to use higher data rates have been based on more or less scaling up existing low speed VHF systems, i.e. increasing the baud rate on a single FSK/PSK carrier and trying to keep the bandwidth as narrow and using simple CRC for retransmission control.

While this is a quite adequate approach for line of sight space to ground communication (except for the too small window size if AX.25 is used :-), this approach is practically useless for terrestrial communication, since it very badly deals with terrestrial propagation conditions. Thus, in order to get these systems to work, nearly LOS paths must be used (with the difficulty of finding suitable sites) and in order to maintain the high average SNR required to at least handle some mild fades, a high transmitter power is required (which is costly) or the maximum link distance must be reduced.

On the commercial side, any successful terrestrial digital system will address the multipath problem by suitable modulation methods (COFDM, spread spectrum etc.) and code interleaving and also recognise the high cost of retransmission (by using FEC).

Until these factors are recognised by the ham community, packet radio will remain a low speed activity, only really suitable for applications like APRS and DX cluster (DX-spots and talk messages).

Paul OH3LWR

1808. Re: WTB: Soundcard to FT-100D cable for PSK-31

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-03 10:54:14 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020903065414.00669.00000034@mb-fh.aol.com>
Source record: 5532

>Curiousity: Is there some oddball circuitry in such a cable that
>prevents you from making one?

Perhaps it's a complete lack of knowledge in what makes up the cable and the
belief that some operators would be willing to explain a little to me.
Amazingly, I have gotten some actually USEFUL replies to my post.
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Beachwood, NJ USA! Grid FM29vw
http://vhfradiobuff.tripod.com

1809. Re: WWV Decode

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-03 11:51:49 UTC
From: Luc Fontaine <lfontain@globetrotter.net>
Message-ID: <pn1d9.1744$016.157516@charlie.risq.qc.ca>
Source record: 5533

Hello Mark,

After seeing the answers not relating to your needs, I have a link for
you that may suite your needs.

http://sapp.telepac.pt/coaa/radioclock.htm

The freeware version does indicate you the corrected tme without correcting
the windows clock. The registered one does.

Luc

"Mark Erbaugh" <mark@microenh.com> a crit dans le message de news:
um24c6f6qik003@corp.supernews.com...
> Does anyone know of a Windows program that uses a soundcard to decode the
> time information encoded in the WWV audio and set the computer clock
> automatically? The signal format is documented on the WWV website. I know
> there are other ways to get the time, but since the information is there,
I
> figure why not use it?
>
> Mark
>
>

1810. Re: WTB: Soundcard to FT-100D cable for PSK-31

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-03 13:39:21 UTC
From: Bruce Lane <feedspammerstosharks.4.spamvac@spamgourmet.com>
Message-ID: <MPG.17de5b62929611f9899c1@news.drizzle.com>
Source record: 5534

In article <20020903065414.00669.00000034@mb-fh.aol.com>,
vhfradiobuff@aol.comspamsux says...

> Perhaps it's a complete lack of knowledge in what makes up the cable and the
> belief that some operators would be willing to explain a little to me.
> Amazingly, I have gotten some actually USEFUL replies to my post.

You assume too much. Specifically, you assume that I was trying to
insult you. Such is not the case. I was merely concerned, should I choose
to pick up a similar radio, that such a cable might have some sort of
molded-in electronics in it, making it difficult to reproduce.

Perhaps your energies would have been better used in SHARING some
of those "useful replies" you have received instead of choosing to get
all huffy about a simple question.

--
Bruce Lane, Owner and Head Hardware Heavy,
Blue Feather Technologies -- http://www.bluefeathertech.com
Amateur Radio: KC7GR (Formerly WD6EOS) since 12-77.
kyrrin (a/t) bluefeathertech dot-com (Reassemble to use)
"I'll get a life when someone demonstrates to me it would be superior to
what I have now..." (Taki Kogoma)

1811. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-03 16:23:50 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <qm5d9.50418$Ke2.3519740@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5535

"Paul Keinanen" <keinanen@sci.fi> wrote in message
news:9qi8nuocnj7ni0jaqgkg3va1b7eq0enej5@4ax.com...
> On Mon, 2 Sep 2002 18:02:27 -1000, "Russell Hltn"
> <reply@2newsgroup.com> wrote:
>
> >It's not that simple. Wire has near perfect propagation and all
> >receivers can hear all senders. This is a requirement for "collision
> >detection and retry" that is used in wire. If hams will take the
> >challenge there is room to innovate wireless protocols.
> >
> >Yes, I think TCP/IP is the way to go simply because it supports so
> >much, but the details of the underlying protocol (in case of wire,
> >Ethernet) needs to be worked out for cheap and effective wireless.
>
> The problem seems to be that those interested in packet radio or other
> high speed digital communication, but they are not interested in radio
> wave propagation or radio design.

Some of us are mostly interested in the software issues, others may be
interested in hardware, and yet others in RF design, antenna issues, etc.

> It appears that most attempts to use higher data rates have been based
> on more or less scaling up existing low speed VHF systems, i.e.
> increasing the baud rate on a single FSK/PSK carrier and trying to
> keep the bandwidth as narrow and using simple CRC for retransmission
> control.

> While this is a quite adequate approach for line of sight space to
> ground communication (except for the too small window size if AX.25 is

My code, and perhaps a few other codes support the PE1CHL
large window modification. Solves the problem.

> used :-), this approach is practically useless for terrestrial
> communication, since it very badly deals with terrestrial propagation
> conditions. Thus, in order to get these systems to work, nearly LOS
> paths must be used (with the difficulty of finding suitable sites) and
> in order to maintain the high average SNR required to at least handle
> some mild fades, a high transmitter power is required (which is
> costly) or the maximum link distance must be reduced.

Exactly.

> On the commercial side, any successful terrestrial digital system will
> address the multipath problem by suitable modulation methods (COFDM,
> spread spectrum etc.) and code interleaving and also recognise the

> high cost of retransmission (by using FEC).

Exactly.

> Until these factors are recognised by the ham community, packet radio
> will remain a low speed activity, only really suitable for
> applications like APRS and DX cluster (DX-spots and talk messages).

Some of us software types would very much like to implement some of
the interesting things one could do over a fast network. The hardware
types have not yet provided any viable hardware :-) I suspect there is
a reason for this. Perhaps it is difficult and expensive to do so, and
the perceived market is too small.

I'd sure like to run T1 rate across 30 - 100 km. obstructed paths.
But I won't pay US$5000+ to do so.

> Paul OH3LWR

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1812. Re: WTB: Soundcard to FT-100D cable for PSK-31

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-03 16:27:53 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <dq5d9.50420$Ke2.3520890@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5536

"Bruce Lane" <feedspammerstosharks.4.spamvac@spamgourmet.com> wrote in message
news:MPG.17dddf9d5ab8cc849899c0@news.drizzle.com...
> In article <20020902013932.04007.00000845@mb-cf.aol.com>,
> vhfradiobuff@aol.comspamsux says...
>
> > I am looking for a cable to plug my FT-100D into my soundcard for PSK-31.
If
> > anyone has one, please email me.
>
> Curiousity: Is there some oddball circuitry in such a cable that
> prevents you from making one?

No, but some of us find that as we have aged, the fine motor
control required to solder small wires to small connectors
(e.g. small audio plugs, mini-DIN) has gone away, and we
either need help constructing cables, or we buy them.
Kenwood's use of RJ-45 is great! I can still crimp those.

Check the MFJ web site, they may have such cables.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1813. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-03 17:03:31 UTC
From: "Dana H. Myers" <dana@dioxine.net>
Message-ID: <3D74EB63.1040403@dioxine.net>
Source record: 5537

Hank Oredson wrote:

> I'd sure like to run T1 rate across 30 - 100 km. obstructed paths.
> But I won't pay US$5000+ to do so.

(All cost figures are in US dollars, and US CFR 47 is assumed)

Well, I've seen better than T1-rate across a 20km obstructed path using 802.11b hardware. Summary of cost - two Lucent cards ($150), two power amplifiers ($1000), two antennas and misc hardware ($300), and sundry coax and so on ($100). That's under $1600 for a reliable 11mb/s link built using off-the-shelf components in a couple of days. You can buy up to 10dB more link margin by limiting the speed to 1mb/s if the Ethernet-speed makes you uncomfortable.

All legal (though right at the EIRP permitted by the 3-for-1 antenna gain rule in Part 15 for 2.4GHz). To be totally fair, the 20km path I'm thinking of is generally clear with a serious obstruction (i.e., a hill with houses on it) about 1.5 km from one end.

The same basic configuration could easily do 30+ km, but you'll have to be more specific what you mean by 'obstruction'.

I'm not sure one could even come close to this performance/cost ratio using amateur gear, and I'm fairly certain the absolute cost would not be lower. Note that 5.8GHz has no EIRP limit, only a transmitter-power limit, which encourages the use of higher-gain antennas, and promises to achieve better performance/cost in the near future as we start to see commodity hardware.

If software is what turns you on, then Part 15 hardware is almost certainly the path of least resistance.

Dana K6JQ
k6jq@arrl.net

1814. Re: WTB: Soundcard to FT-100D cable for PSK-31

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-03 17:24:00 UTC
From: vhfradiobuff@aol.comspamsux
Message-ID: <20020903132400.29502.00001226@mb-ml.aol.com>
Source record: 5538

>Perhaps your energies would have been better used in SHARING some
>of those "useful replies" you have received instead of choosing to get
>all huffy about a simple question.

Just read the rest of the thread.
=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Beachwood, NJ USA! Grid FM29vw
http://vhfradiobuff.tripod.com

1815. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-03 17:56:10 UTC
From: Russell Hltn <reply@2newsgroup.com>
Message-ID: <al2t27$ds6$1@nntp-m01.news.aol.com>
Source record: 5539

If I understand that you're saying, it sounds like we have a "chicken and egg" problem. No one will develop the hardware until there is viable software and the software guys have nothing to work with until someone does the hardware. Keep asking around. I think you have to find a hardware guy to work with directly.

"Hank Oredson" <horedson@att.net> wrote in message news:qm5d9.50418$Ke2.3519740@bgtnsc04-news.ops.worldnet.att.net...
>
>
> Some of us are mostly interested in the software issues, others may be
> interested in hardware, and yet others in RF design, antenna issues, etc.
>

>
> Some of us software types would very much like to implement some of
> the interesting things one could do over a fast network. The hardware
> types have not yet provided any viable hardware :-) I suspect there is
> a reason for this. Perhaps it is difficult and expensive to do so, and
> the perceived market is too small.
>

1816. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-03 19:26:35 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnana37b.dk2.nomail@linux.pe1chl.ampr.org>
Source record: 5540

Hank Oredson <horedson@att.net> wrote:
>> The problem seems to be that those interested in packet radio or other
>> high speed digital communication, but they are not interested in radio
>> wave propagation or radio design.

>Some of us are mostly interested in the software issues, others may be
>interested in hardware, and yet others in RF design, antenna issues, etc.

And the vast majority is only interested in $10 "solutions" that can be
attached to existing voice transceivers.

>Some of us software types would very much like to implement some of
>the interesting things one could do over a fast network. The hardware
>types have not yet provided any viable hardware :-) I suspect there is
>a reason for this. Perhaps it is difficult and expensive to do so, and
>the perceived market is too small.

KA9Q has published some demo code for better modulation methods.
This code should also be viable at higher rates, but the de-facto standard
soundcard may be a limitation. A viable hardware system should probably
consist of a transceiver with I/Q modulators and AD/DA converters that
support higher sample rates and attach to the system using a widely
available fast digital interface. Probably USB is the only viable one.
(parallel port is too limited as most systems have only one and want to
use it for the printer; ethernet is good but difficult to integrate
without lots of fast intelligent hardware)

The DSP stuff can then run on the PC, in which amateurs normally invest
a lot of money. Designing a DSP system that can be built by the average
ham, at a price he wants to spend on a blackbox, and can be programmed
by more than a happy few, has proven to be unrealistic.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

1817. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-03 20:30:00 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <mg3anu0nmecai7r5llakvb8ee9v27f71s7@4ax.com>
Source record: 5541

On Tue, 03 Sep 2002 16:23:50 GMT, "Hank Oredson" <horedson@att.net>
wrote:

>Some of us software types would very much like to implement some of
>the interesting things one could do over a fast network. The hardware
>types have not yet provided any viable hardware :-) I suspect there is
>a reason for this. Perhaps it is difficult and expensive to do so, and
>the perceived market is too small.

This will not happen until some commercially available systems are
used directly or modified for a suitable ham band.

>I'd sure like to run T1 rate across 30 - 100 km. obstructed paths.
>But I won't pay US$5000+ to do so.

Running T1 rates across 100 km is quite hard as this back of the
envelope calculation shows.

At those speeds the first band with sufficient space is the 1.3 GHz
band and at that distance the only practical propagation mode is
troposcatter. The path loss is less than 200 dB for 99 % of the time
(source: RSGB VHF/UHF manual and some old ARRL VHF manuals).

The required (despread) bandwidth with error correction bits is about
2 MHz, so the thermal noise in that bandwidth is about -110 dBm.
Assuming that 10 dB SNR is required, the required receiver power would
be -100 dBm (which might be a bit optimistic, when comparing to
sensitivity figures for 11 Mbit/s WLAN cards).

Assuming 20dB antenna gain at both ends, the required transmitter
power is -100 dBm - 20 dB + 200dB - 20 dB= +60 dBm or 1 kW.

Not very practical, especially if the sensitivity figure is too
optimistic. 99 % reliability may be a bit too low for backbone
networking, especially if multiple extended hops are in the chain.
99.9 % would more appropriate, but this would require 10dB more into
the link budget in terms of transmitter power or antenna gain.

Clearly such long backbone hops are out of the question even with
optimal modulation.

Paul OH3LWR

1818. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-03 21:08:37 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0209032102310.4100-100000@exp.bde-arc.ampr.org>
Source record: 5542

On Tue, 3 Sep 2002, Paul Keinanen wrote:
>On Tue, 03 Sep 2002 16:23:50 GMT, "Hank Oredson" <horedson@att.net>
>wrote:
>>Some of us software types would very much like to implement some of
>>the interesting things one could do over a fast network. The hardware
>>types have not yet provided any viable hardware :-) I suspect there is
>>a reason for this. Perhaps it is difficult and expensive to do so, and
>>the perceived market is too small.
>
>This will not happen until some commercially available systems are
>used directly or modified for a suitable ham band.
>
>>I'd sure like to run T1 rate across 30 - 100 km. obstructed paths.
>>But I won't pay US$5000+ to do so.
>
>Running T1 rates across 100 km is quite hard as this back of the
>envelope calculation shows.

Also consider that at 100km (about 62 miles), the curvature of the Earth also
becomes a factor, except perhaps for mountain-to-mountain.

>At those speeds the first band with sufficient space is the 1.3 GHz
>band and at that distance the only practical propagation mode is
>troposcatter. The path loss is less than 200 dB for 99 % of the time
>(source: RSGB VHF/UHF manual and some old ARRL VHF manuals).
>
>The required (despread) bandwidth with error correction bits is about
>2 MHz, so the thermal noise in that bandwidth is about -110 dBm.
>Assuming that 10 dB SNR is required, the required receiver power would
>be -100 dBm (which might be a bit optimistic, when comparing to
>sensitivity figures for 11 Mbit/s WLAN cards).
>
>Assuming 20dB antenna gain at both ends, the required transmitter
>power is -100 dBm - 20 dB + 200dB - 20 dB= +60 dBm or 1 kW.
>
>Not very practical, especially if the sensitivity figure is too
>optimistic. 99 % reliability may be a bit too low for backbone
>networking, especially if multiple extended hops are in the chain.
>99.9 % would more appropriate, but this would require 10dB more into
>the link budget in terms of transmitter power or antenna gain.
>
>Clearly such long backbone hops are out of the question even with
>optimal modulation.
>
>Paul OH3LWR

1819. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-03 21:34:55 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <5o9anuc7r2f8dhjl71nh2m5ou409forj6e@4ax.com>
Source record: 5543

On Tue, 03 Sep 2002 21:08:37 GMT, "D. Stussy"
<kd6lvw@bde-arc.ampr.org> wrote:

>>>I'd sure like to run T1 rate across 30 - 100 km. obstructed paths.
>>>But I won't pay US$5000+ to do so.
>>
>>Running T1 rates across 100 km is quite hard as this back of the
>>envelope calculation shows.
>
>Also consider that at 100km (about 62 miles), the curvature of the Earth also
>becomes a factor, except perhaps for mountain-to-mountain.

Not really an issue, unless there are very high (several km) high
mountains in the path _between_ the stations.

My calculations were based on troposcatter, in which the signal is
scattered from an air volume somewhere halfway between the two
stations. The scattering air volume is 100-6000 m from the ground
(depending of the distance between the stations) and visible to both
stations.

Look at any VHF/UHF contest results, there are a lot of contacts in
the 200 - 500 km range no matter when the contest occurred. Most of
these contacts are made through troposcatter, which is quite reliable
day to day propagation mode.

Previously the only telephone contact to North Sea oil rigs from
Scotland was through troposcatter links.

Running high speed data over troposcatter links will require some
advanced modulation or coding method to avoid the problems due
flutter, which is often quite common in troposcatter links.

Paul OH3LWR

1820. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-03 23:02:53 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <xcbd9.8992$jG2.669139@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5544

"Dana H. Myers" <dana@dioxine.net> wrote in message
news:3D74EB63.1040403@dioxine.net...
>
>
> Hank Oredson wrote:
>
> > I'd sure like to run T1 rate across 30 - 100 km. obstructed paths.
> > But I won't pay US$5000+ to do so.
>
> (All cost figures are in US dollars, and US CFR 47 is assumed)
>
> Well, I've seen better than T1-rate across a 20km obstructed
> path using 802.11b hardware. Summary of cost - two Lucent
> cards ($150), two power amplifiers ($1000), two antennas and
> misc hardware ($300), and sundry coax and so on ($100).
> That's under $1600 for a reliable 11mb/s link built using
> off-the-shelf components in a couple of days. You can buy
> up to 10dB more link margin by limiting the speed to 1mb/s
> if the Ethernet-speed makes you uncomfortable.

Nobody closer than 30 km for the other end.
It's not Ham Radio.

> All legal (though right at the EIRP permitted by the 3-for-1
> antenna gain rule in Part 15 for 2.4GHz). To be totally fair,
> the 20km path I'm thinking of is generally clear with a serious
> obstruction (i.e., a hill with houses on it) about 1.5 km
> from one end.
>
> The same basic configuration could easily do 30+ km, but you'll
> have to be more specific what you mean by 'obstruction'.

One 11,400 foot mountain :-)
That particular path has the glacier on the north slope of Mt. Hood
almost exactly at mid path, path is about 200 miles. and works
very well with 10 dbd antennas and 50W at 1200 baud on 2M.
However there is no longer any interest on the other end.

But back to the existing situation.

The paths in question have obstructions into the line of sight
anywhere from "a few feet at one point" i.e. grazing, to "500 to
1000 feet at several points". The grazing paths work well at
9600 baud, the other paths do not, but support 1200 baud.
There is some forest in the way at most sites. It can't be moved.
There will be some foliage loss involved, thus more power needed.

This also suggests using lower frequencies, e.g. 70 cm.

> I'm not sure one could even come close to this performance/cost
> ratio using amateur gear, and I'm fairly certain the absolute
> cost would not be lower. Note that 5.8GHz has no EIRP limit,
> only a transmitter-power limit, which encourages the use of
> higher-gain antennas, and promises to achieve better
> performance/cost in the near future as we start to see
> commodity hardware.

I was indeed talking Ham Radio gear.
Thus the posting in this newsgroup.

> If software is what turns you on, then Part 15 hardware is
> almost certainly the path of least resistance.

What does that have to do with Ham Radio?
If I want to write software not involving Ham Radio, I'll do some
consulting and make money. The whole point is Ham Radio.

> Dana K6JQ
> k6jq@arrl.net

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1821. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-04 00:42:30 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <WFcd9.5916$Dj.1401243844@newssvr30.news.prodigy.com>
Source record: 5545

I could care less about the non-ham stuff. I am an amateur radio operator, not a CB'er or "amateur communicator", so the non-ham stuff has no relevance to my interest, amateur radio. In this, I am in the company of the great majority of U.S. ham radio operators.

I have seen so many discussions of this or that high-speed setup here, without seeing any of it realized, that I now consider most of that discussion to be utterly pointless. There are a number of high-speed solutions around, that have been around for some time now... I haven't seen significant use of any of them in the U.S..

If it is not used, it is not useful.

Since backbone links need to be significantly faster than user access, I can see a real use for high-speed packet there. High-speed user access is not high on my priority list, though.

When you get past the pointless discussion go-round and look at what hams are actually building, you find 1.2kb or 9.6kb user access, and 9.6kb or 19.2kb backbone links. (In the U.S.) There are a few exceptions, but none that have produced or resulted in significant network. Those that do tend to be self-isolated, out of touch with other networks and what the majority of hams are interested in.

The folks who are hung up on high-speed, "IP only", and non-ham stuff are definately out of touch with the realities of amateur radio, and most importantly, with their fellow amateur radio operators. Most hams could care less about these, and "most hams" is the group we should be concentrating our interest upon.

Looking at successful, growing packet networks in the U.S. today, what I generally find are 1.2kb access, with 9.6kb backbone. (with some higher speed backbone, here and there.) This represents at least 80, maybe 90% of what is actually being built and used, as opposed to just being talked about.

Amateur tcpip enthusiasts are kind of jingo-prone... One of their catch-phrases that you don't hear about much anymore is the "critical mass" that was supposed to be achieved, where every ham in the U.S. would suddenly decide that amateur tcpip is the only way to go. TAPR has made repeated attempts to cram amateur tcpip down amateurs' throats for years now, to no avail. They are totally out of touch with what U.S. hams actually want, and are willing to work with.

Amateur tcpip IS a good way to go. Anybody can see where it can simplify things quite a bit for some kind of emergency communications, where non-hams need to be able to use info moved over a packet radio network. On the other

hand, the fact still remains that most hams are not very excited about it, and for the great bulk of emergency communications, it is not really neccessary. The largest, most effective packet radio emergency net on the planet (SEDAN) uses regular old X1J nodes with 1.2kb access and 9.6kb backbone. They do not bother with tcpip, because they have not found it to be neccessary or even particularly useful.

I think the main reason that amateur tcpip doesn't fly is that what you end up with is a third-rate, extra slow Internet clone. Who could get excited about that?

When you run regular tcpip applications over the actual kind of network that is being built and utilized, it's pretty dissappointing. Who could get excited about slower than dialup tcpip, when broadband is now so cheap and easy to get in most places? When you run tcpip over amateur packet radio network, it doesn't really "shine", and as we all know, the high-speed stuff is no more popular than amateur tcpip. Both go together, both are not very interesting to most hams.

There is certainly nothing wrong with discussing high-speed, or amateur tcpip. On the other hand, way too little attention here is being given to *building network*, and addressing the needs and desires of any but a tiny minority within the ham community.

Charles, N5PVL

1822. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-04 01:43:27 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <3zdd9.9253$jG2.688071@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5546

Agree.

I think high speed directly between users, medium
speed for the longer local hops (my 30-100 km links)
and low speed for long haul hops is a better idea.
i.e. it is possible to build.

Note that when I say "user", that user is running
a router/server box. There is no difference between
one router and another other than intended use.
Everything runs tcp/ip and NET/ROM over AX.25.
Most of the applications are tcp/ip now, but we
support the old apps as well for those who wish them.

We are not building client/server network anymore,
but building peer-to-peer network. Of course we
supply those client/server capabilities for those who
still run ASR-33s, C64s, or CP/M machines ;-)

Network is growing again, although slowly. Two new
users (nodes) last weekend, both at excellent link sites,
both with 9600 and 1200 ports. One will have 3 radios
eventually, the other will have 4. Both will help link
into fairly remote areas where users now have no
access at all. Two more should appear within a few
weeks. They have computers, tncs, radio, sites,
but are not yet on air.

Our fastest links are 19.2 k ... and that's still too slow.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"charlesb" <n5pvl@sbcglobal.net> wrote in message
news:WFcd9.5916$Dj.1401243844@newssvr30.news.prodigy.com...
> I could care less about the non-ham stuff. I am an amateur radio operator,
> not a CB'er or "amateur communicator", so the non-ham stuff has no relevance
> to my interest, amateur radio. In this, I am in the company of the great
> majority of U.S. ham radio operators.
>
> I have seen so many discussions of this or that high-speed setup here,
> without seeing any of it realized, that I now consider most of that
> discussion to be utterly pointless. There are a number of high-speed

> solutions around, that have been around for some time now... I haven't seen
> significant use of any of them in the U.S..
>
> If it is not used, it is not useful.
>
> Since backbone links need to be significantly faster than user access, I can
> see a real use for high-speed packet there. High-speed user access is not
> high on my priority list, though.
>
> When you get past the pointless discussion go-round and look at what hams
> are actually building, you find 1.2kb or 9.6kb user access, and 9.6kb or
> 19.2kb backbone links. (In the U.S.) There are a few exceptions, but none
> that have produced or resulted in significant network. Those that do tend to
> be self-isolated, out of touch with other networks and what the majority of
> hams are interested in.
>
> The folks who are hung up on high-speed, "IP only", and non-ham stuff are
> definately out of touch with the realities of amateur radio, and most
> importantly, with their fellow amateur radio operators. Most hams could care
> less about these, and "most hams" is the group we should be concentrating
> our interest upon.
>
> Looking at successful, growing packet networks in the U.S. today, what I
> generally find are 1.2kb access, with 9.6kb backbone. (with some higher
> speed backbone, here and there.) This represents at least 80, maybe 90% of
> what is actually being built and used, as opposed to just being talked
> about.
>
> Amateur tcpip enthusiasts are kind of jingo-prone... One of their
> catch-phrases that you don't hear about much anymore is the "critical mass"
> that was supposed to be achieved, where every ham in the U.S. would suddenly
> decide that amateur tcpip is the only way to go. TAPR has made repeated
> attempts to cram amateur tcpip down amateurs' throats for years now, to no
> avail. They are totally out of touch with what U.S. hams actually want, and
> are willing to work with.
>
> Amateur tcpip IS a good way to go. Anybody can see where it can simplify
> things quite a bit for some kind of emergency communications, where non-hams
> need to be able to use info moved over a packet radio network. On the other
> hand, the fact still remains that most hams are not very excited about it,
> and for the great bulk of emergency communications, it is not really
> neccessary. The largest, most effective packet radio emergency net on the
> planet (SEDAN) uses regular old X1J nodes with 1.2kb access and 9.6kb
> backbone. They do not bother with tcpip, because they have not found it to
> be neccessary or even particularly useful.
>
> I think the main reason that amateur tcpip doesn't fly is that what you end
> up with is a third-rate, extra slow Internet clone. Who could get excited
> about that?
>

> When you run regular tcpip applications over the actual kind of network that
> is being built and utilized, it's pretty dissappointing. Who could get
> excited about slower than dialup tcpip, when broadband is now so cheap and
> easy to get in most places? When you run tcpip over amateur packet radio
> network, it doesn't really "shine", and as we all know, the high-speed stuff
> is no more popular than amateur tcpip. Both go together, both
> are not very interesting to most hams.
>
> There is certainly nothing wrong with discussing high-speed, or amateur
> tcpip. On the other hand, way too little attention here is being given to
> *building network*, and addressing the needs and desires of any but a tiny
> minority within the ham community.
>
> Charles, N5PVL
>
>
>
>
>

1823. Re: WTB: Soundcard to FT-100D cable for PSK-31

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-04 03:28:28 UTC
From: Paul N3EOP <n3eop@arrl.or.callsign.net>
Message-ID: <Xns927ED0475516n3eophotmailcom@64.164.98.6>
Source record: 5547

vhfradiobuff@aol.comspamsux (VHFRadioBuff) wrote:

> I am looking for a cable to plug my FT-100D into my soundcard for
> PSK-31. If anyone has one, please email me.

You can buy a complete premade interface at:

http://www.packetradio.com/psk31.html

1824. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-04 06:18:46 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <m86bnuc3gbf307a3mbupgeihkh7iuqn94o@4ax.com>
Source record: 5548

On Tue, 03 Sep 2002 23:02:53 GMT, "Hank Oredson" <horedson@att.net>
wrote:

>> If software is what turns you on, then Part 15 hardware is
>> almost certainly the path of least resistance.
>
>What does that have to do with Ham Radio?

I think that I hear the "Not Invented Here" syndrome.

Is it so hard to admit that the industry has solved the problem of
sending high speed data over short distance obstructed paths with low
power ?

Unmodified commercial systems are fine for testing various concepts
e.g. in networking and if works, expand it to higher power and other
frequencies. Hams are allowed to build new and modify existing
devices. Why not take a commercially available system and modify it
for an other band or run the signal through a transverter and use a
power amplifier and highly directional antennas. One thing could be to
run a 2.45 GHz WLAN card into a 2.45/1.25 GHz transverter and then
run the signal through a 23 cm ATV repeater.

If your FCC is still as restrictive to allowed modulation methods on
ham bands as before, I think your national ham radio organisation
(ARRL) is not doing its job and it should really start some serious
discussions with the FCC about removing these restrictions. But I
guess that the ARRL is most interested in developing methods that
people can use for generating and collecting QSL cards :-).

Paul OH3LWR

1825. Part 15 802.11b can become Part 97 (was Re: Is Packet nearly over?)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-04 07:04:26 UTC
From: "Dana H. Myers" <dana@dioxine.com>
Message-ID: <3D75B077.20604@dioxine.com>
Source record: 5549

Hank Oredson wrote:
> "Dana H. Myers" <dana@dioxine.net> wrote in message

>>I'm not sure one could even come close to this performance/cost
>>ratio using amateur gear, and I'm fairly certain the absolute
>>cost would not be lower. Note that 5.8GHz has no EIRP limit,
>>only a transmitter-power limit, which encourages the use of
>>higher-gain antennas, and promises to achieve better
>>performance/cost in the near future as we start to see
>>commodity hardware.
>
>
> I was indeed talking Ham Radio gear.
> Thus the posting in this newsgroup.

Hams can be users of Part 15 equipment, Hank.

>>If software is what turns you on, then Part 15 hardware is
>>almost certainly the path of least resistance.
>
>
> What does that have to do with Ham Radio?

If the Part 15 gear gives you a platform to further amateur
radio experimentation, why not? If it's truly a chicken-egg
case with hardware vs. software, this is perhaps one way to
break it.

> If I want to write software not involving Ham Radio, I'll do some
> consulting and make money. The whole point is Ham Radio.

You're drawing a harsh distinction. If by "ham radio", you mean
only things which are exclusively permitted under Part 97, that's
one thing. If you think of ham radio as the non-commercial radio
service with goals set forth in 97.1, then Part 15 may be a means
to an end.

If it makes you feel better, use the Part 15 equipment in
excess of the Part 15 regulations and figure out how to
properly identify it. Just make sure to limit operation
to the channels permitted under Part 97, then use as much
power and antenna gain as permitted under Part 97. If this
causes the Part 15 users any heartburn, you can smile warmly
knowing they're not protected from interference from licensed
radio services.

Then you're operating under Part 97 and it's undeniably Ham Radio
even under your apparently harsh definition.

Dana K6JQ
dana@dioxine.net

1826. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-04 07:17:30 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnanbcsa.ju1.nomail@linux.pe1chl.ampr.org>
Source record: 5454

Paul Keinanen <keinanen@sci.fi> wrote:
>On Tue, 03 Sep 2002 23:02:53 GMT, "Hank Oredson" <horedson@att.net>
>wrote:

>>> If software is what turns you on, then Part 15 hardware is
>>> almost certainly the path of least resistance.

>>What does that have to do with Ham Radio?

>I think that I hear the "Not Invented Here" syndrome.

>Is it so hard to admit that the industry has solved the problem of
>sending high speed data over short distance obstructed paths with low
>power ?

>Unmodified commercial systems are fine for testing various concepts
>e.g. in networking and if works, expand it to higher power and other
>frequencies. Hams are allowed to build new and modify existing
>devices.

Interestingly enough, existing commercial voice equipment is happily
modified for amateur use, even when this introduced new modulation
forms like FM and PM into the amateur radio scene. Over here, many
hams have modified old NMT mobile telephone sets into halfduplex
voice transceivers, and also use them for packet. And before that,
they bought and modified surplus PMR and utility transceivers like the
Philips Zephyr and Comet, Bosch KF161 etc. Tons of them.

ATV is usually watched and even transmitted using modified satellite-TV
equipment these days.

Modification of existing data equipment seems to be much less popular.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

1827. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-04 07:18:02 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <Ksid9.992$3d3.275335296@newssvr12.news.prodigy.com>
Source record: 5550

"Paul Keinanen" <keinanen@sci.fi> wrote in message
news:m86bnuc3gbf307a3mbupgeihkh7iuqn94o@4ax.com...
> On Tue, 03 Sep 2002 23:02:53 GMT, "Hank Oredson" <horedson@att.net>
> wrote:
>
>
> >> If software is what turns you on, then Part 15 hardware is
> >> almost certainly the path of least resistance.
> >
> >What does that have to do with Ham Radio?
>
> I think that I hear the "Not Invented Here" syndrome.
>

Another CB'er... Hanging out in the Ham Radio discussion.

"Not Invented here"... That's a real good one.

Charles, N5PVL

1828. Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-04 07:18:23 UTC
From: "Dana H. Myers" <dana@dioxine.com>
Message-ID: <3D75B3BC.70006@dioxine.com>
Source record: 5451

I suspect you'd have to use WEP or some other security scheme
to prevent non-amateurs from interoperating with the Part 97
802.11b nodes (i.e., nodes operating in excess of the power
and/or EIRP limits of Part 15, and identifying as amateur
transmitters). Also of interest is MAC-address filtering.

Frankly, I've wondered what the FCC would say when Part 15 users
start accessing amateur systems on the shared bands (such as 902Mhz
and parts of 2.4GHz). Apprently theres so little amateur activity
on these bands that the problem is not common. Given the authorization
under Part 97 to only communicate with other amateur operators, there's
a potential legal issue but I believe use of WEP, etc. would effectively
resolve it, even though there would be some limited communication
between the nodes in any event (the 802.11b MAC protocol chatters a
bit).

You can buy a 1W 2.4GHz power amplifier off the shelf instead of
the 500mW flavor, and go for something like 26dB or 28dB of antenna
gain. A 30km link should generally be trivial at 11mb/s with this.

Or you can keep complaining about the 19.2kb/s performance
of existing solutions.

Dana K6JQ
dana@dioxine.net

1829. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-04 07:26:19 UTC
From: "Dana H. Myers" <dana@dioxine.com>
Message-ID: <3D75B598.5010406@dioxine.com>
Source record: 5452

charlesb wrote:
> I could care less about the non-ham stuff. I am an amateur radio operator,
> not a CB'er or "amateur communicator", so the non-ham stuff has no relevance
> to my interest, amateur radio. In this, I am in the company of the great
> majority of U.S. ham radio operators.

Well, Charles, I don't suppose you remember the series of CB-conversions
by legitimate amateur radio operators for legitimate amateur radio
communications back in the late 1970s? Radios built for other
services have historically been leveraged by clever radio amateurs.
Let's not forget all those Part 90 Land Mobile radios in packet
use (oh, hey, I have a few of those myself).

> I have seen so many discussions of this or that high-speed setup here,
> without seeing any of it realized, that I now consider most of that
> discussion to be utterly pointless. There are a number of high-speed
> solutions around, that have been around for some time now... I haven't seen
> significant use of any of them in the U.S..

I built a 20km, 11mb/s link this year. I use it daily at home.
If I were to have built it to intercommunicate with only other
radio amateurs, I could have used higher power and higher-gain
antennas, but the system provides good performance even at relative
QRP levels.

It's here, it's built, it's working. Next time you come to the Bay
Area, let me know and I'll show you how it's done. End of story.

Dana K6JQ
dana@dioxine.net

1830. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-04 07:36:48 UTC
From: "Dana H. Myers" <dana@dioxine.net>
Message-ID: <3D75B80C.3000205@dioxine.net>
Source record: 5453

charlesb wrote:
> "Paul Keinanen" <keinanen@sci.fi> wrote in message
> news:m86bnuc3gbf307a3mbupgeihkh7iuqn94o@4ax.com...
>
>>On Tue, 03 Sep 2002 23:02:53 GMT, "Hank Oredson" <horedson@att.net>
>>wrote:
>>
>>
>>
>>>>If software is what turns you on, then Part 15 hardware is
>>>>almost certainly the path of least resistance.
>>>
>>>What does that have to do with Ham Radio?
>>
>>I think that I hear the "Not Invented Here" syndrome.
>
> Another CB'er... Hanging out in the Ham Radio discussion.

Charles, if this is how you respond to other long-time radio amateurs,
then the answer to the question "Is packet nearly over?" is most likely
"No! - packet is already over".

Before you attempt to lump me into the class of "CBers", let me
point out that I'm a 25+ year amateur licensee, my first contact
was on 40m using using a homebrew station. I passed the Extra
exams when it still included a 20WPM Morse test.

My first packet contact was on 2m, using a 100% homebrew TNC
(8051 + SCC and an Exar chip-set modem). I still have that
old TNC around somewhere, Vero-wired together on a piece of
Vector-board. All the software was hand-written 8051
assembly. Oh, yeah, I wrote the assembler, too, in C,
ran on both Unix and DOS systems.

Though I haven't used it in a while, I've got a homebrew
2m FM transceiver around somewhere, too. MC145170 PLL chip,
J310 in the VCO, 2N4427 for the PA.

I've built more than a few relevant things here, built the hardware,
wrote the software. Please do not embarrass yourself by attempting to
portray me as anything but a full-on radio communications experimenter.

Dana K6JQ
dana@dioxine.net

1831. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-04 14:11:43 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <zwod9.10101$jG2.747862@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5455

"Dana H. Myers" <dana@dioxine.com> wrote in message
news:3D75B3BC.70006@dioxine.com...
>
> I suspect you'd have to use WEP or some other security scheme
> to prevent non-amateurs from interoperating with the Part 97
> 802.11b nodes (i.e., nodes operating in excess of the power
> and/or EIRP limits of Part 15, and identifying as amateur
> transmitters). Also of interest is MAC-address filtering.
>
> Frankly, I've wondered what the FCC would say when Part 15 users
> start accessing amateur systems on the shared bands (such as 902Mhz
> and parts of 2.4GHz). Apprently theres so little amateur activity
> on these bands that the problem is not common. Given the authorization
> under Part 97 to only communicate with other amateur operators, there's
> a potential legal issue but I believe use of WEP, etc. would effectively
> resolve it, even though there would be some limited communication
> between the nodes in any event (the 802.11b MAC protocol chatters a
> bit).
>
> You can buy a 1W 2.4GHz power amplifier off the shelf instead of
> the 500mW flavor, and go for something like 26dB or 28dB of antenna
> gain. A 30km link should generally be trivial at 11mb/s with this.
>
> Or you can keep complaining about the 19.2kb/s performance
> of existing solutions.
>
> Dana K6JQ
> dana@dioxine.net

Sounds good to me!
Have you tried it?

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1832. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-04 14:47:08 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <M1pd9.14428$SX2.3509578930@newssvr11.news.prodigy.com>
Source record: 5456

"Dana H. Myers" <dana@dioxine.net> wrote in message
news:3D75B80C.3000205@dioxine.net...
>
>
> charlesb wrote:
> > "Paul Keinanen" <keinanen@sci.fi> wrote in message
> > news:m86bnuc3gbf307a3mbupgeihkh7iuqn94o@4ax.com...
> >
> >>On Tue, 03 Sep 2002 23:02:53 GMT, "Hank Oredson" <horedson@att.net>
> >>wrote:
> >>
> >>
> >>
> >>>>If software is what turns you on, then Part 15 hardware is
> >>>>almost certainly the path of least resistance.
> >>>
> >>>What does that have to do with Ham Radio?
> >>
> >>I think that I hear the "Not Invented Here" syndrome.
> >
> > Another CB'er... Hanging out in the Ham Radio discussion.
>
> Charles, if this is how you respond to other long-time radio amateurs,
> then the answer to the question "Is packet nearly over?" is most likely
> "No! - packet is already over".
>
> Before you attempt to lump me into the class of "CBers", let me
> point out that I'm a 25+ year amateur licensee, my first contact

I could care less about what you did 25 years ago... Right now, (and for as long as I have been able to deja-vue your posts here) you have consistently pushed non-ham methods of communication here, up to and including the internet, as being "a big step up" from amateur radio.

Five years or so ago, I figured out that you were sniveling anti-ham moron. Nothing in the intervening space of time has occurred that has altered that opnion.

Don't like it? Too bad.

Charles, N5PVL

1833. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-04 20:15:47 UTC
From: dave@davemoneypenny.org
Message-ID: <1fhznu9.13rey8f1ac8e4eN%dave@davemoneypenny.org>
Source record: 5457

Let me preface my remarks by saying I am not an RF engineer nor any approximation of one, but I'm not completely ignorant either. That said, I've been wondering for a couple of weeks about something, and your post gives rise to the following query.

I am having a buttload o' trouble with my Siemens 24xx 2.4GHz phone system. It seems something close to me is bathing the entire area in 2.4 (or so) and my phone system is near useless much of the time as a result. (Before you suggest it: I've done all possible troubleshooting in my home to the point of turning off all AC power at the circuit breaker box. The problem isn't originating in my home.)

My question is this: Would I solve my problem by attaching an amplifier and/or additional antenna to the phone system? I'm guessing doing so would only make the problem worse (and maybe cook my insides as well).

I'm not looking for the thing to transmit over a 30km radius, but I would like to see it functional within my home. I'd appreciate hearing from any/all who have knowledge in the field.

Dana H. Myers <dana@dioxine.com> wrote:

> I suspect you'd have to use WEP or some other security scheme
> to prevent non-amateurs from interoperating with the Part 97
> 802.11b nodes (i.e., nodes operating in excess of the power
> and/or EIRP limits of Part 15, and identifying as amateur
> transmitters). Also of interest is MAC-address filtering.
>
> Frankly, I've wondered what the FCC would say when Part 15 users
> start accessing amateur systems on the shared bands (such as 902Mhz
> and parts of 2.4GHz). Apprently theres so little amateur activity
> on these bands that the problem is not common. Given the authorization
> under Part 97 to only communicate with other amateur operators, there's
> a potential legal issue but I believe use of WEP, etc. would effectively
> resolve it, even though there would be some limited communication
> between the nodes in any event (the 802.11b MAC protocol chatters a
> bit).
>
> You can buy a 1W 2.4GHz power amplifier off the shelf instead of
> the 500mW flavor, and go for something like 26dB or 28dB of antenna
> gain. A 30km link should generally be trivial at 11mb/s with this.
>
> Or you can keep complaining about the 19.2kb/s performance
> of existing solutions.
>
> Dana K6JQ

> dana@dioxine.net

1834. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-04 20:52:02 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0209042047030.4815-100000@exp.bde-arc.ampr.org>
Source record: 5458

On Wed, 4 Sep 2002, Dana H. Myers wrote:
>I suspect you'd have to use WEP or some other security scheme
>to prevent non-amateurs from interoperating with the Part 97
>802.11b nodes (i.e., nodes operating in excess of the power
>and/or EIRP limits of Part 15, and identifying as amateur
>transmitters). Also of interest is MAC-address filtering.
>
>Frankly, I've wondered what the FCC would say when Part 15 users
>start accessing amateur systems on the shared bands (such as 902Mhz
>and parts of 2.4GHz). Apprently theres so little amateur activity
>on these bands that the problem is not common. Given the authorization
>under Part 97 to only communicate with other amateur operators, there's
>a potential legal issue but I believe use of WEP, etc. would effectively
>resolve it, even though there would be some limited communication
>between the nodes in any event (the 802.11b MAC protocol chatters a
>bit).

The activiation of properly designed amateur equipment by a part 15 user is
actually "harmful intereference" to a licensed service. It's not just the lan
stuff that's there. I sometimes get 2.4 cordless phones bringing up my 2.4
voice repeater input, sometimes even tripping the PL circuit! What it amounts
to in those situations is an unlicensed individual operating in a licensed
service (at least that's how it could be dealt with should a cease-and-desist
order from the FCC be ignored).

>You can buy a 1W 2.4GHz power amplifier off the shelf instead of
>the 500mW flavor, and go for something like 26dB or 28dB of antenna
>gain. A 30km link should generally be trivial at 11mb/s with this.
>
>Or you can keep complaining about the 19.2kb/s performance
>of existing solutions.

1835. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-04 21:33:48 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0209042128320.4848-100000@exp.bde-arc.ampr.org>
Source record: 5459

On Wed, 4 Sep 2002, David L. Moneypenny wrote:
>Let me preface my remarks by saying I am not an RF engineer nor any
>approximation of one, but I'm not completely ignorant either. That said,
>I've been wondering for a couple of weeks about something, and your post
>gives rise to the following query.
>
>I am having a buttload o' trouble with my Siemens 24xx 2.4GHz phone
>system. It seems something close to me is bathing the entire area in 2.4
>(or so) and my phone system is near useless much of the time as a
>result. (Before you suggest it: I've done all possible troubleshooting
>in my home to the point of turning off all AC power at the circuit
>breaker box. The problem isn't originating in my home.)
>
>My question is this: Would I solve my problem by attaching an amplifier
>and/or additional antenna to the phone system? I'm guessing doing so
>would only make the problem worse (and maybe cook my insides as well).

Legally, you can't do either. Chances are that would void the allowances made in part 15 for your phone. If the interference you are experiencing is coming from a licensed user, you are SOL. Amateur radio is only one of about 5 licensed services which operate there. However, if the interference you're getting is from another part 15 device [by an unlicensed user], your only hope is to find out if the other device is being operated outside of the part 15 specifications (and if so, then you can complain to the FCC).

Another licensed user in the area is for ISM equipment, so if you're near a hospital, there's probably your source (and you're SOL again).

>I'm not looking for the thing to transmit over a 30km radius, but I
>would like to see it functional within my home. I'd appreciate hearing
>from any/all who have knowledge in the field.
>
>Dana H. Myers <dana@dioxine.com> wrote:
>> I suspect you'd have to use WEP or some other security scheme
>> to prevent non-amateurs from interoperating with the Part 97
>> 802.11b nodes (i.e., nodes operating in excess of the power
>> and/or EIRP limits of Part 15, and identifying as amateur
>> transmitters). Also of interest is MAC-address filtering.
>>
>> Frankly, I've wondered what the FCC would say when Part 15 users
>> start accessing amateur systems on the shared bands (such as 902Mhz
>> and parts of 2.4GHz). Apprently theres so little amateur activity
>> on these bands that the problem is not common. Given the authorization
>> under Part 97 to only communicate with other amateur operators, there's
>> a potential legal issue but I believe use of WEP, etc. would effectively

>> resolve it, even though there would be some limited communication
>> between the nodes in any event (the 802.11b MAC protocol chatters a
>> bit).
>>
>> You can buy a 1W 2.4GHz power amplifier off the shelf instead of
>> the 500mW flavor, and go for something like 26dB or 28dB of antenna
>> gain. A 30km link should generally be trivial at 11mb/s with this.
>>
>> Or you can keep complaining about the 19.2kb/s performance
>> of existing solutions.

1836. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-04 21:59:01 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <Fmvd9.10685$jG2.784707@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5460

Posted and emailed.
Let's keep the discussion here in the newsgroup so
that everyone may learn and comment.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"Hank Oredson" <horedson@att.net> wrote in message
news:zwod9.10101$jG2.747862@bgtnsc05-news.ops.worldnet.att.net...
>
> "Dana H. Myers" <dana@dioxine.com> wrote in message
> news:3D75B3BC.70006@dioxine.com...
> >
> > I suspect you'd have to use WEP or some other security scheme
> > to prevent non-amateurs from interoperating with the Part 97
> > 802.11b nodes (i.e., nodes operating in excess of the power
> > and/or EIRP limits of Part 15, and identifying as amateur
> > transmitters). Also of interest is MAC-address filtering.
> >
> > Frankly, I've wondered what the FCC would say when Part 15 users
> > start accessing amateur systems on the shared bands (such as 902Mhz
> > and parts of 2.4GHz). Apprently theres so little amateur activity
> > on these bands that the problem is not common. Given the authorization
> > under Part 97 to only communicate with other amateur operators, there's
> > a potential legal issue but I believe use of WEP, etc. would effectively
> > resolve it, even though there would be some limited communication
> > between the nodes in any event (the 802.11b MAC protocol chatters a
> > bit).
> >
> > You can buy a 1W 2.4GHz power amplifier off the shelf instead of
> > the 500mW flavor, and go for something like 26dB or 28dB of antenna
> > gain. A 30km link should generally be trivial at 11mb/s with this.
> >
> > Or you can keep complaining about the 19.2kb/s performance
> > of existing solutions.
> >
> > Dana K6JQ
> > dana@dioxine.net
>
>
> Sounds good to me!

> Have you tried it?
>
> --
>
> ... Hank
>
> Hank: http://horedson.home.att.net
> W0RLI: http://w0rli.home.att.net
>
>
>

1837. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-04 22:04:50 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <6svd9.10696$jG2.784601@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5461

Unless I mis-read part 97, we cannot use WEP or any
other encryption of our transmissions.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"Dana H. Myers" <dana@dioxine.com> wrote in message
news:3D75B3BC.70006@dioxine.com...
>
> I suspect you'd have to use WEP or some other security scheme
> to prevent non-amateurs from interoperating with the Part 97
> 802.11b nodes (i.e., nodes operating in excess of the power
> and/or EIRP limits of Part 15, and identifying as amateur
> transmitters). Also of interest is MAC-address filtering.
>
> Frankly, I've wondered what the FCC would say when Part 15 users
> start accessing amateur systems on the shared bands (such as 902Mhz
> and parts of 2.4GHz). Apprently theres so little amateur activity
> on these bands that the problem is not common. Given the authorization
> under Part 97 to only communicate with other amateur operators, there's
> a potential legal issue but I believe use of WEP, etc. would effectively
> resolve it, even though there would be some limited communication
> between the nodes in any event (the 802.11b MAC protocol chatters a
> bit).
>
> You can buy a 1W 2.4GHz power amplifier off the shelf instead of
> the 500mW flavor, and go for something like 26dB or 28dB of antenna
> gain. A 30km link should generally be trivial at 11mb/s with this.
>
> Or you can keep complaining about the 19.2kb/s performance
> of existing solutions.
>
> Dana K6JQ
> dana@dioxine.net
>

1838. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-04 22:13:28 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <cAvd9.10715$jG2.785200@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5462

----- Original Message -----
From: "Dana Myers" <dana@diox.dioxine.net>
To: <horedson@att.net>
Sent: Wednesday,September 04, 2002 01:10 PM
Subject: 802.11b links

>
> > I suspect you'd have to use WEP or some other security scheme
> > to prevent non-amateurs from interoperating with the Part 97
> > 802.11b nodes (i.e., nodes operating in excess of the power
> > and/or EIRP limits of Part 15, and identifying as amateur
> > transmitters). Also of interest is MAC-address filtering.
>
> WEP, despite being encryption should be usable if one
> publishes the key to amateur operators.
>
> MAC-address filtering is not encryption at all, so there's
> no potential issue with this.
>
> I've used both of these techniques to restrict access to
> 802.11b access points.
>
> ...
>
> > You can buy a 1W 2.4GHz power amplifier off the shelf instead of
> > the 500mW flavor, and go for something like 26dB or 28dB of antenna
> > gain. A 30km link should generally be trivial at 11mb/s with this.
>
> I've done 20km so far. 500mW amplifiers from YDI, 24dBi antennas
> (vendor escapes me), Lucent Orinoco cards, pig-tails and a few dozen
> feet of LMR400 and N-connectors. Amateur radio experience is
> 100% useful - especially for the path analysis and antenna
> orientation ;-).
>
>
> > Sounds good to me!
> > Have you tried it?
>
> Yes!! Yes!! I have as described above. I use it daily.
> There's enough signal margin to go to 30km without
> difficulty.

Did a bunch of shopping for misc radio/computer bits today,
so I asked about it ... at Frys, Radio Shack, and HRO.
Got same answer from all of them: "Huh what?"

Ok, what do I buy, where do I buy it?
Who or what is "YDI"?
Antennas? From where? What kind?

A few dozen feet of coax? That will just make it outside,
much less to the tower and up the tower where there is a slight
chance of a visual path to one of the sites. Mount computer on
tower? Naw, makes no sense. So a card in the computer is not
a viable an option, or did I miss something important?

> Extending it beyond 30km or 40km, can be done in a
> couple of ways that I have yet to try. One of them is simply
> reducing the maximum data rate of the connection, which picks
> up a proportional number of dB of margin.

How does one do that? Is it part of the protocol?
Is there an API?

> The real interesting opportunity is the OpenAP effort,
> which is an open source project to make the access point
> available for hard-core experiementation, in fact permitting
> exactly the protocol experimentation you seem to want ;-)

Never heard OpenAP, and I follow the Ham Radio digital
stuff pretty carefully. Who or what sponsors it, ARRL?

> Brabham... does he actually do anything other than
> posture and spew?

He's generally correct. The hardware folks seem to posture
and spew a lot, but do not seem to provide anything I might
be able to use. Specific stuff to buy, instructions on how it
goes together, software interface information. I'm not doing
a hardware project, I'm doing a software project. You hardware
guys need to do the hardware part, and make it available.
Specific instructions on what to buy, how it hooks together,
and how I code to it. That's what is needed.

If I'm going to do a hardware project, it will involve a *lot*
more RF power, and will use narrow band modes, like CW :-)

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1839. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-04 22:24:44 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnand21c.ju1.nomail@linux.pe1chl.ampr.org>
Source record: 5463

Hank Oredson <horedson@att.net> wrote:
>> The real interesting opportunity is the OpenAP effort,
>> which is an open source project to make the access point
>> available for hard-core experiementation, in fact permitting
>> exactly the protocol experimentation you seem to want ;-)

>Never heard OpenAP, and I follow the Ham Radio digital
>stuff pretty carefully. Who or what sponsors it, ARRL?

OpenAP ("All your base stations are belong to us") is a project
to develop a Linux-like system to run on an 802.11b access point
instead of the proprietary firmware.

Of course you could have found that using Google.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

1840. WEP in Part 97 amateur operation (was Re: Another thought about 802.11b operated under Part 97)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-04 23:56:58 UTC
From: "Dana H. Myers" <dana@dioxine.com>
Message-ID: <3D769DC6.8080504@dioxine.com>
Source record: 5464

Hank Oredson wrote:
> Unless I mis-read part 97, we cannot use WEP or any
> other encryption of our transmissions.

Of course amateurs are permitted to use encoding schemes
*where the intention is not to obscure the meaning of the
communication*. After sending that note, I thought "I'll
bet I'll have to explain it more fully".

You can use WEP if you publish the key. The intent is
not to obscure the transmission, the intent is to avoid
a non-amateur station from inadvertantly accessing your
system. There's nothing to stop a non-amateur from
reading a note that says "Licensed radio amateurs
only may access this system under 47 CFR 97 rules
using the key 'xxxx'" and that's OK. If they ignore
the rule regarding amateur access only, it's their
choice and you've made a valid effort to avoid
inadvertently communicating with unauthorized persons.

Of course, for point-to-point links, you'll probably
want to use MAC-address filtering anyway which obviates this
issue.

Dana K6JQ
dana@dioxine.net

1841. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-05 01:04:10 UTC
From: Gary Fiber <g.fiber@verizon.net>
Message-ID: <e4yd9.1367$po2.282@nwrddc01.gnilink.net>
Source record: 5465

Rob Janssen wrote:

> Hank Oredson <horedson@att.net> wrote:
>>> The real interesting opportunity is the OpenAP effort,
>>> which is an open source project to make the access point
>>> available for hard-core experimentation, in fact permitting
>>> exactly the protocol experimentation you seem to want ;-)
>
>>Never heard OpenAP, and I follow the Ham Radio digital
>>stuff pretty carefully. Who or what sponsors it, ARRL?
>
> OpenAP ("All your base stations are belong to us") is a project
> to develop a Linux-like system to run on an 802.11b access point
> instead of the proprietary firmware.
>
> Of course you could have found that using Google.
>
> Rob

Have a look at www.seattlewireless.com Those guys are doing some pretty interesting stuff with 802.11b Netstumbler for windows seeks out access points there is a likewise program for linux but i can't remember what the name of it is. I think the first 4 802.11b frequencies fall with in the US amateur band.

Gary K8IZ

1842. Here's the basic way to do it (was Re: Another thought about 802.11b operated under Part 97)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-05 01:18:13 UTC
From: "Dana H. Myers" <dana@dioxine.com>
Message-ID: <3D76B0CF.4040507@dioxine.com>
Source record: 5466

Hank Oredson wrote:
> ----- Original Message -----
> From: "Dana Myers" <dana@diox.dioxine.net>
> To: <horedson@att.net>
> Sent: Wednesday,September 04, 2002 01:10 PM
> Subject: 802.11b links

Hank, please, before forwarding personally-sent
email to a newsgroup, ask the sender. Thanks.

>>>Sounds good to me!
>>>Have you tried it?
>>
>>Yes!! Yes!! I have as described above. I use it daily.
>>There's enough signal margin to go to 30km without
>>difficulty.
>
> Did a bunch of shopping for misc radio/computer bits today,
> so I asked about it ... at Frys, Radio Shack, and HRO.
> Got same answer from all of them: "Huh what?"

I went to HRO, Fry's and Radio Shack and asked for a
2N7000 transistor. They said the same thing. Funny,
isn't that? ;-)

> Ok, what do I buy, where do I buy it?
> Who or what is "YDI"?

http://www.ydi.com/ Lotta good stuff there
also look at http://www.fab-corp.com/

> Antennas? From where? What kind?

You could buy a pre-made antenna at YDI.
The 24dBi PT2424 antenna is $179, that's a little
pricey, http://www.fab-corp.com/ has what appears
to be the same 24dBi antenna for $76.50, there's a
deal.

FAB has a dandy 1W outdoor amplifier - designed to mount
directly at the antenna - for $430. Have a look at
http://www.fab-corp.com/pdf/1W.pdf for more
information.

The good thing about the mast-mounted bi-amp is that it
will compensate for 15dB or so of coax loss, so you

have greater flexibility in your coax selection.

> A few dozen feet of coax? That will just make it outside,
> much less to the tower and up the tower where there is a slight
> chance of a visual path to one of the sites. Mount computer on
> tower? Naw, makes no sense. So a card in the computer is not
> a viable an option, or did I miss something important?

Use the coax that you need for your station. Since you're setting
up essentially a 2.4GHz ham radio station, I'll just assume
you know what you need to do, with the following specific
comments:

- You'll need the appropriate pigtail lead from the micro connector
on the wireless card to the N-connectors on the feedline and
DC power injector (for the mast-mounted amplifier). I use Lucent/
Orinoco cards (which are now owned by Proxim, by the way),
and the Lucent pigtails are quite common and under $20/ea.

- The YDI and FAB amplifiers seem to both offer around
16dB of receive gain and therefore will compensate for
around 15dB of feedline loss. On transmit they provide
AGC and should produce full output power even with about
10dB of feedline loss from a Lucent card, other cards may
allow greater feedline loss. You'll want to select the
necessary grade of coax to keep your line loss under
10dB at each end of a link, it may not need to be
terribly low loss if the run is not too long, but
that's where your ham radio experience is your
guide.

Of course, you'll need some 802.11b radios, I've been
preferring the Lucent/Orinoco cards but they're not
specified for as much output power as some other cards
(+16dBm IIRC, vs +20dBm for other cards).

>>Extending it beyond 30km or 40km, can be done in a
>>couple of ways that I have yet to try. One of them is simply
>>reducing the maximum data rate of the connection, which picks
>>up a proportional number of dB of margin.
>
>
> How does one do that? Is it part of the protocol?
> Is there an API?

It's part of the configuration user-interface for the
802.11b card or access point, which also allows you
to lock down the channel of operation, a requirement
if you're running under Part 97 rules and have to
stay inside the ham band. If you look at the
necessary receive signal levels for the 802.11b cards
you'll see how the lower speeds will tolerate lower

signal levels. 802.11b normally switches speeds
automatically, so you might just let it operate
that way.
The Lucent card is specified for a receiver
sensitivity of -82dBm for 11mb/s operation
and -94dBm for 1Mb/s operation - there's 12dB
of margin you can have by operating at a slower
speed.

Have a look at the brochure at:
ftp://ftp.orinocowireless.com/pub/docs/ORINOCO/BROCHURES/US/World%20PC%20Card%20US.pdf

>>The real interesting opportunity is the OpenAP effort,
>>which is an open source project to make the access point
>>available for hard-core experiementation, in fact permitting
>>exactly the protocol experimentation you seem to want ;-)
>
>
> Never heard OpenAP, and I follow the Ham Radio digital
> stuff pretty carefully. Who or what sponsors it, ARRL?

Ten seconds with google.com reveals:

http://www.openap.org/

>>Brabham... does he actually do anything other than
>>posture and spew?
>
>
> He's generally correct.

No, he's not. He's generally preaching and condemning those
that don't experiment to his liking, but doesn't seem to actually
experiment on his own or respect those who do unless they're in
Europe and running his pet FlexNet. Everyone is either a CB
operator or a anti-amateur-radio, including me by his declaration.
He's clearly suffering from profound ignorance and has yet
to offer anything of technical significance.

I don't feel strongly about him, though. I'm sure he's a nice
guy and would happily grill some lamb and open a good Pinot Noir
with him.

> The hardware folks seem to posture
> and spew a lot, but do not seem to provide anything I might
> be able to use. Specific stuff to buy, instructions on how it
> goes together, software interface information.

I'm not a hardware guy, and I'm not going to draw detailed diagrams
here, but I believe I've given you a great deal to work with here.
If you look at YDI's and FAB's web pages, they do have a number of
system diagrams and white papers designed to speak to software-only
people that may be a key step forward for you.

The basic idea is:

802.11b card + pigtail + DC injector / 12V power supply + coax feedline +
mast-mounted bi-amplifier + antenna

More detailed diagrams and system design tools are at YDI, FAB and
elsewhere you will find with http://www.google.com/ since you're a
software guy.

> I'm not doing
> a hardware project, I'm doing a software project. You hardware
> guys need to do the hardware part, and make it available.
> Specific instructions on what to buy, how it hooks together,
> and how I code to it. That's what is needed.

Well, like I say, I'm not a hardware guy, and you're a radio amateur
just like me, and you'll need to make the effort to understand the
resources available. I believe that the above-mentioned web sites
offer a fair bit in the way of hooking it all up.

As for programming to it, it's all an IP network as far as the
programmer is concerned. Drivers are off-the-shelf for Windows
and Linux. Build your own protocols top of IP and go to town!

> If I'm going to do a hardware project, it will involve a *lot*
> more RF power, and will use narrow band modes, like CW :-)

Heh. Suit yourself, I think 802.11b hardware is well within your
grasp. ;-)

Dana K6JQ
dana@dioxine.net

1843. It's over for Charles, I suppose (was Re: Is Packet nearly over?)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-05 01:22:19 UTC
From: "Dana H. Myers" <dana@dioxine.com>
Message-ID: <3D76B1C7.9000206@dioxine.com>
Source record: 5467

charlesb wrote:

> I could care less about what you did 25 years ago... Right now, (and for as
> long as I have been able to deja-vue your posts here) you have consistently
> pushed non-ham methods of communication here, up to and including the
> internet, as being "a big step up" from amateur radio.

Well, Charles, I guess we're just failing to communicate. That's no
skin off my nose, most people seem to be able to figure out what I'm
writing even if you are unable or unwilling.

> Five years or so ago, I figured out that you were sniveling anti-ham moron.
> Nothing in the intervening space of time has occurred that has altered that
> opnion.
>
> Don't like it? Too bad.

Actually, coming from you, that's kind of flattering.

Dana K6JQ
dana@dioxine.net

1844. RadioShack Equipment

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-05 03:08:31 UTC
From: Chetan Bhargava <wiz@bhargavaz.net>
Message-ID: <al6hmt$2s06$1@news.mainstreet.net>
Source record: 5468

Hi,

I'm planning to buy a starter 2m mobile. How good are Radio Shack 2m
mobiles? I have two options
1. RadioShack HTX-212
2. Kenwood TM-201B
3. RadioShack HTX-242

I guess Kenwood has low RF output.

Thanks.

Chet

1845. printing from a pager???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-05 18:57:44 UTC
From: "Terry M. Stader" <tstader@concord.com>
Message-ID: <3d77a86a$1@news.concord.com>
Source record: 5469

Sorry for the offbeat post.... it is kind of related!

Awhile back Motorola made a device called a Print Pal (p/n NYN1005A). This device was a cradle that connected a Motorola Advisor pager to a serial printer or a computer's serial port and provided us with a hard-copy output of an incoming page/reply.

The device is no longer available and the Paging Support group of Motorola says they don't make a replacement and know of nothing similar.

The application we are trying to solve... we page out a group of people and they reply back to this dispatch center pager (the one in the Print Pal craddle). The reply is a unique ID number (4 digits) followed by a * and then an ETA (4 digits in minutes) and then the # to send.

We want to track the replies, because if someone cannot make it, we would page their alternate, etc.

The solution we are looking for does not have to be using a Print Pal... but it would be nice to use a pager or some other device capable of receiving multiple replies in a very short time frame.

Any suggestions on other possible solutions or ideas sure would be appreciated.

Thanks in advance.

Terry - KA8SCP

1846. Re: printing from a pager???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-05 19:37:32 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnanfcjs.ju1.nomail@linux.pe1chl.ampr.org>
Source record: 5470

Terry M. Stader <tstader@concord.com> wrote:
>Sorry for the offbeat post.... it is kind of related!

>Awhile back Motorola made a device called a Print Pal (p/n NYN1005A). This
>device was a cradle that connected a Motorola Advisor pager to a serial
>printer or a computer's serial port and provided us with a hard-copy output
>of an incoming page/reply.

>The device is no longer available and the Paging Support group of Motorola
>says they don't make a replacement and know of nothing similar.

>The application we are trying to solve... we page out a group of people and
>they reply back to this dispatch center pager (the one in the Print Pal
>craddle). The reply is a unique ID number (4 digits) followed by a * and
>then an ETA (4 digits in minutes) and then the # to send.

>We want to track the replies, because if someone cannot make it, we would
>page their alternate, etc.

>The solution we are looking for does not have to be using a Print Pal... but
>it would be nice to use a pager or some other device capable of receiving
>multiple replies in a very short time frame.

>Any suggestions on other possible solutions or ideas sure would be
>appreciated.

I don't know which protocol this pager uses (pocsag? golay?) but what
you could do is open one pager and often you will be able to find a
line that carries the demodulated serial data (certainly in a pocsag
pager - in a 4-level system things may be different).

You can connect this signal to a PC, and run one of the available pager
decoding programs on it. When you have sourcecode of the program and
some skill, you can do anything you like with the resulting data.

Printing, showing on a larger screen window, logging to disk, ...

Rob
--
+--------------------------------+-------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
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1847. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-05 20:27:53 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0209052017470.5369-100000@exp.bde-arc.ampr.org>
Source record: 5471

On Wed, 4 Sep 2002, Hank Oredson wrote:
>Unless I mis-read part 97, we cannot use WEP or any
>other encryption of our transmissions.

We can use stuff that protects the network from unauthorized users, but the FCC may have to be made aware of the method (so they can monitor it) - just like under the old SS rules where we had to give them the hop sequence if we weren't using the standard one. Preventing unauthorized access to a station is a licensee's responsibility.

ONLY encryption designed to OBSCURE the message is forbidden. Compression (which generally makes a message non-human readable) isn't encryption because its purpose is to make the message smaller, not to obscure its meaning, and is therefore legal. This means that PGP, SSL, and other such things are not legal (in the absence of giving the FCC the appropriate decryption keys, which partially [if not fully] defeats the purpose of encrypting).

Now, I'm not certain how much of WEP is actually for access and how much is for encryption within a private wireless lan - only because I have yet to actually mess with these devices first hand. It may come down to: "no problem, as long as the FCC has your wlan's WEP keys/info and transmitting location" (assuming that part 15 limits are exceeded).

> ... Hank
>
>Hank: http://horedson.home.att.net
>W0RLI: http://w0rli.home.att.net
>
>"Dana H. Myers" <dana@dioxine.com> wrote in message
>news:3D75B3BC.70006@dioxine.com...
>>
>> I suspect you'd have to use WEP or some other security scheme
>> to prevent non-amateurs from interoperating with the Part 97
>> 802.11b nodes (i.e., nodes operating in excess of the power
>> and/or EIRP limits of Part 15, and identifying as amateur
>> transmitters). Also of interest is MAC-address filtering.
>>
>> Frankly, I've wondered what the FCC would say when Part 15 users
>> start accessing amateur systems on the shared bands (such as 902Mhz
>> and parts of 2.4GHz). Apprently theres so little amateur activity
>> on these bands that the problem is not common. Given the authorization
>> under Part 97 to only communicate with other amateur operators, there's
>> a potential legal issue but I believe use of WEP, etc. would effectively
>> resolve it, even though there would be some limited communication
>> between the nodes in any event (the 802.11b MAC protocol chatters a

>> bit).
>>
>> You can buy a 1W 2.4GHz power amplifier off the shelf instead of
>> the 500mW flavor, and go for something like 26dB or 28dB of antenna
>> gain. A 30km link should generally be trivial at 11mb/s with this.
>>
>> Or you can keep complaining about the 19.2kb/s performance
>> of existing solutions.
>>
>> Dana K6JQ
>> dana@dioxine.net
>>
>
>
>

1848. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-05 20:35:55 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0209052029020.5369-100000@exp.bde-arc.ampr.org>
Source record: 5472

On Wed, 4 Sep 2002, Hank Oredson wrote:
>----- Original Message -----
>From: "Dana Myers" <dana@diox.dioxine.net>
>To: <horedson@att.net>
>Sent: Wednesday,September 04, 2002 01:10 PM
>Subject: 802.11b links
>
>> > I suspect you'd have to use WEP or some other security scheme
>> > to prevent non-amateurs from interoperating with the Part 97
>> > 802.11b nodes (i.e., nodes operating in excess of the power
>> > and/or EIRP limits of Part 15, and identifying as amateur
>> > transmitters). Also of interest is MAC-address filtering.
>>
>> WEP, despite being encryption should be usable if one
>> publishes the key to amateur operators.
>>
>> MAC-address filtering is not encryption at all, so there's
>> no potential issue with this.
>>
>> I've used both of these techniques to restrict access to
>> 802.11b access points.
>>
>> ...
>>
>> > You can buy a 1W 2.4GHz power amplifier off the shelf instead of
>> > the 500mW flavor, and go for something like 26dB or 28dB of antenna
>> > gain. A 30km link should generally be trivial at 11mb/s with this.
>>
>> I've done 20km so far. 500mW amplifiers from YDI, 24dBi antennas
>> (vendor escapes me), Lucent Orinoco cards, pig-tails and a few dozen
>> feet of LMR400 and N-connectors. Amateur radio experience is
>> 100% useful - especially for the path analysis and antenna
>> orientation ;-).
>>
>>
>> > Sounds good to me!
>> > Have you tried it?
>>
>> Yes!! Yes!! I have as described above. I use it daily.
>> There's enough signal margin to go to 30km without
>> difficulty.
>
>
>Did a bunch of shopping for misc radio/computer bits today,

>so I asked about it ... at Frys, Radio Shack, and HRO.
>Got same answer from all of them: "Huh what?"

Fry's does sell wireless lan equipment, but their employees are stupid. Radio Shack doesn't sell that (unless that's recently changed). HRO stays with radios, not computers, so they don't sell it either.

>Ok, what do I buy, where do I buy it?
>Who or what is "YDI"?
>Antennas? From where? What kind?
>
>A few dozen feet of coax? That will just make it outside,
>much less to the tower and up the tower where there is a slight
>chance of a visual path to one of the sites. Mount computer on
>tower? Naw, makes no sense. So a card in the computer is not
>a viable an option, or did I miss something important?

Yes. A mast-mounted pre-amp (and possibly a [mast-mounted] TX amp).

>> Extending it beyond 30km or 40km, can be done in a
>> couple of ways that I have yet to try. One of them is simply
>> reducing the maximum data rate of the connection, which picks
>> up a proportional number of dB of margin.
>
>How does one do that? Is it part of the protocol?
>Is there an API?

The 802.11b devices operate at a maximum speed of 11Mb (3-COM may have a 22Mb version on the market now, but no one else), with slower speeds of 5.5, 2, and 1Mb. Whether or not the fallback to the slower speeds is controllable or automatic I don't know, but it is there.

>> The real interesting opportunity is the OpenAP effort,
>> which is an open source project to make the access point
>> available for hard-core experiementation, in fact permitting
>> exactly the protocol experimentation you seem to want ;-)
>
>Never heard OpenAP, and I follow the Ham Radio digital
>stuff pretty carefully. Who or what sponsors it, ARRL?
>
>> Brabham... does he actually do anything other than
>> posture and spew?
>
>He's generally correct. The hardware folks seem to posture
>and spew a lot, but do not seem to provide anything I might
>be able to use. Specific stuff to buy, instructions on how it
>goes together, software interface information. I'm not doing
>a hardware project, I'm doing a software project. You hardware
>guys need to do the hardware part, and make it available.
>Specific instructions on what to buy, how it hooks together,
>and how I code to it. That's what is needed.
>

>If I'm going to do a hardware project, it will involve a *lot*
>more RF power, and will use narrow band modes, like CW :-)

I thought that what you wanted was throughput? Narrowing the bandwidth narrows the maximum symbol rate and thus lowers throughput. Aren't you contradicting yourself now?

1849. Re: RadioShack Equipment

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-05 22:05:03 UTC
From: xpyttl <xpyttl_nospam@earthling.net>
Message-ID: <unfl94j48i7e5c@corp.supernews.com>
Source record: 5473

The RS radios you mentioned are discontinued, and I assume the Kenwood is, too. These RS radios aren't bad, but they tend to be a little pricey for what you get.

Keep in mind that both Icom and Kenwood have 50W mobiles with tons of features for $150 new, I assume Yaesau, Alinco etc. all do as well. So I wouldn't pay a lot for an HTX-212. If I recall, the 242 was a dual-bander, so it may be worth a little more. Still, I wouldn't give a lot for these.

But if you can pick up a 212 for say 50 or 60 bucks, maybe around twice that for a 242, and you are pretty confident it's in good shape, then I would go for it.

..

"Chetan Bhargava" <wiz@bhargavaz.net> wrote in message news:al6hmt$2s06$1@news.mainstreet.net...
> Hi,
>
> I'm planning to buy a starter 2m mobile. How good are Radio Shack 2m
> mobiles? I have two options
> 1. RadioShack HTX-212
> 2. Kenwood TM-201B
> 3. RadioShack HTX-242
>
> I guess Kenwood has low RF output.
>
> Thanks.
>
> Chet
>
>

1850. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-05 22:14:26 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <28hfnuki8e2fo8hsi66pm3hh7mbe3sdasl@4ax.com>
Source record: 5474

On Thu, 05 Sep 2002 20:35:55 GMT, "D. Stussy"
<kd6lvw@bde-arc.ampr.org> wrote:

>The 802.11b devices operate at a maximum speed of 11Mb (3-COM may have a 22Mb
>version on the market now, but no one else), with slower speeds of 5.5, 2, and
>1Mb. Whether or not the fallback to the slower speeds is controllable or
>automatic I don't know, but it is there.

How much spreading (and hence processing gain at reception) do you get
with 11Mbit/s (or even 22 Mbit/s) compared to 1 Mbit/s, since the
available frequency band is quite narrow after all ?

With a standard WLAN card you quickly run out of the power budget
after a few reflections, but with a power amplifier, you could
tolerate more reflections before running out of receiver power. Is the
11 Mbit/s version robust enough in this situation with more
reflections and larger delays between reflections ?

Paul OH3LWR

1851. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-05 22:39:44 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <Q2Rd9.12459$jG2.939154@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5475

"D. Stussy" <kd6lvw@bde-arc.ampr.org> wrote in message
news:Pine.LNX.4.44.0209052017470.5369-100000@exp.bde-arc.ampr.org...
> On Wed, 4 Sep 2002, Hank Oredson wrote:
> >Unless I mis-read part 97, we cannot use WEP or any
> >other encryption of our transmissions.
>
> We can use stuff that protects the network from unauthorized users, but the
FCC
> may have to be made aware of the method (so they can monitor it) - just like
> under the old SS rules where we had to give them the hop sequence if we
weren't
> using the standard one. Preventing unauthorized access to a station is a
> licensee's responsibility.

"... stuff ..." does not seem to include data encryption.

> ONLY encryption designed to OBSCURE the message is forbidden. Compression

Isn't that the whole point of what the hardware does?
Or did I not understand what I read at the Agere web site?
It said "uses" and not "may use" or "capable of using".
Can one turn it off?

> (which generally makes a message non-human readable) isn't encryption because
> its purpose is to make the message smaller, not to obscure its meaning, and
is
> therefore legal. This means that PGP, SSL, and other such things are not
legal

Period.

> (in the absence of giving the FCC the appropriate decryption keys, which
> partially [if not fully] defeats the purpose of encrypting).

Where is that in Part 97? Could not find any exceptions.

> Now, I'm not certain how much of WEP is actually for access and how much is
for
> encryption within a private wireless lan - only because I have yet to
actually
> mess with these devices first hand. It may come down to: "no problem, as
long
> as the FCC has your wlan's WEP keys/info and transmitting location" (assuming
> that part 15 limits are exceeded).

It's encryption. We can't do that.

The Agere cards come to $250 per end, not unreasonable.

So where do I buy that stuff I asked about?
Would rather use the 23 cm band (trees, remember?), is gear available?

How about some real help here instead of just speculation.
Model numbers, part numbers, connector information, device driver
and interface information, actual hard facts instead of "one might".

Maybe best to just forget this idea and go back to looking at
PacComm 56k and the Slovenian stuff. Appears to be something
real instead of some vapor-hardware-ideas.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1852. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-05 22:51:03 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <rdRd9.12467$jG2.941764@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5476

"D. Stussy" <kd6lvw@bde-arc.ampr.org> wrote in message
news:Pine.LNX.4.44.0209052029020.5369-100000@exp.bde-arc.ampr.org...

One last try, then I give up.

> On Wed, 4 Sep 2002, Hank Oredson wrote:
> >----- Original Message -----
> >From: "Dana Myers" <dana@diox.dioxine.net>
> >To: <horedson@att.net>
> >Sent: Wednesday,September 04, 2002 01:10 PM
> >Subject: 802.11b links
> >
> >> > I suspect you'd have to use WEP or some other security scheme
> >> > to prevent non-amateurs from interoperating with the Part 97
> >> > 802.11b nodes (i.e., nodes operating in excess of the power
> >> > and/or EIRP limits of Part 15, and identifying as amateur
> >> > transmitters). Also of interest is MAC-address filtering.
> >>
> >> WEP, despite being encryption should be usable if one
> >> publishes the key to amateur operators.
> >>
> >> MAC-address filtering is not encryption at all, so there's
> >> no potential issue with this.

What does the software interface look like?
Is there a standard, or a spec?

> >> I've used both of these techniques to restrict access to
> >> 802.11b access points.

Great! Willing to share that information?

> >> ...
> >>
> >> > You can buy a 1W 2.4GHz power amplifier off the shelf instead of
> >> > the 500mW flavor, and go for something like 26dB or 28dB of antenna
> >> > gain. A 30km link should generally be trivial at 11mb/s with this.

Where?

> >> I've done 20km so far. 500mW amplifiers from YDI, 24dBi antennas
> >> (vendor escapes me), Lucent Orinoco cards, pig-tails and a few dozen
> >> feet of LMR400 and N-connectors. Amateur radio experience is
> >> 100% useful - especially for the path analysis and antenna
> >> orientation ;-).

Who or what is "YDI"?
Would you mind looking at your 24 dBi antenna for the vendor name?

> >> > Sounds good to me!
> >> > Have you tried it?
> >>
> >> Yes!! Yes!! I have as described above. I use it daily.
> >> There's enough signal margin to go to 30km without
> >> difficulty.

> >Did a bunch of shopping for misc radio/computer bits today,
> >so I asked about it ... at Frys, Radio Shack, and HRO.
> >Got same answer from all of them: "Huh what?"
>
> Fry's does sell wireless lan equipment, but their employees are stupid.
Radio

What should I ask them then?

> Shack doesn't sell that (unless that's recently changed). HRO stays with
> radios, not computers, so they don't sell it either.

They didn't have any 1W amps or antennas.

> >Ok, what do I buy, where do I buy it?
> >Who or what is "YDI"?
> >Antennas? From where? What kind?

Third try. Who or what is "YDI"?

> >A few dozen feet of coax? That will just make it outside,
> >much less to the tower and up the tower where there is a slight
> >chance of a visual path to one of the sites. Mount computer on
> >tower? Naw, makes no sense. So a card in the computer is not
> >a viable an option, or did I miss something important?
>
> Yes. A mast-mounted pre-amp (and possibly a [mast-mounted] TX amp).

Where get them? Specs? How hook it up?

> >> Extending it beyond 30km or 40km, can be done in a
> >> couple of ways that I have yet to try. One of them is simply
> >> reducing the maximum data rate of the connection, which picks
> >> up a proportional number of dB of margin.
> >
> >How does one do that? Is it part of the protocol?
> >Is there an API?
>
> The 802.11b devices operate at a maximum speed of 11Mb (3-COM may have a 22Mb
> version on the market now, but no one else), with slower speeds of 5.5, 2,
and
> 1Mb. Whether or not the fallback to the slower speeds is controllable or
> automatic I don't know, but it is there.

Protocol? API? Specifications for same?

> >> The real interesting opportunity is the OpenAP effort,
> >> which is an open source project to make the access point
> >> available for hard-core experiementation, in fact permitting
> >> exactly the protocol experimentation you seem to want ;-)
> >
> >Never heard OpenAP, and I follow the Ham Radio digital
> >stuff pretty carefully. Who or what sponsors it, ARRL?

Does the ARRL sponsor OpenAP?
If not, tell some more about it so one can find out.

> >> Brabham... does he actually do anything other than
> >> posture and spew?
> >
> >He's generally correct. The hardware folks seem to posture
> >and spew a lot, but do not seem to provide anything I might
> >be able to use. Specific stuff to buy, instructions on how it
> >goes together, software interface information. I'm not doing
> >a hardware project, I'm doing a software project. You hardware
> >guys need to do the hardware part, and make it available.
> >Specific instructions on what to buy, how it hooks together,
> >and how I code to it. That's what is needed.
> >
> >If I'm going to do a hardware project, it will involve a *lot*
> >more RF power, and will use narrow band modes, like CW :-)
>
> I thought that what you wanted was throughput? Narrowing the bandwidth
narrows
> the maximum symbol rate and thus lowers throughput. Aren't you contradicting
> yourself now?

Digital is only one thing I'm involved with. I also do a good deal of
HF DXing, and will probably get back into VHF/UHF Dxing.
For that I'll want 1500W on 2M and 70 cm to feed to large
yagi arrays. Might build those amplifiers. That's a hardware project.
Has nothing to do with digital though, so I don't babble about it
very much in this newsgroup.

But I guess you can't actually help out with the high speed links,
so I will look elsewhere. Perhaps some other hardware person
will have some more specific ideas, or I'll not bother with that
project and spend the money on 8877s and sockets instead.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1853. Re: printing from a pager???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 00:42:55 UTC
From: "S. Miller" <stemp-removethis-@gstarusa.com>
Message-ID: <3D77FA0F.4BECAAF2@gstarusa.com>
Source record: 5477

Hi Terry,

As I remember the printing stand for the Advisor just supplied power to the unit, and maybe did a TTL to RS232 conversion. You should still be able to get serial data out of the contact pins on the bottom of the pager without the stand, and you may be able to just feed this directly to a PC serial port. The printing stand mostly provided an easy physical interface and it is not absolutely essential if you are willing to connect up to the pins directly and maybe use a homebrew TTL to RS232 interface, but again even that may not be necessary. The print option does need to be turned on in the pager with the proper programming software, though, or no data will be output from the pager.

- Seth

"Terry M. Stader" wrote:

> Sorry for the offbeat post.... it is kind of related!
>
> Awhile back Motorola made a device called a Print Pal (p/n NYN1005A). This
> device was a cradle that connected a Motorola Advisor pager to a serial
> printer or a computer's serial port and provided us with a hard-copy output
> of an incoming page/reply.
>
> The device is no longer available and the Paging Support group of Motorola
> says they don't make a replacement and know of nothing similar.
>
> The application we are trying to solve... we page out a group of people and
> they reply back to this dispatch center pager (the one in the Print Pal
> craddle). The reply is a unique ID number (4 digits) followed by a * and
> then an ETA (4 digits in minutes) and then the # to send.
>
> We want to track the replies, because if someone cannot make it, we would
> page their alternate, etc.
>
> The solution we are looking for does not have to be using a Print Pal... but
> it would be nice to use a pager or some other device capable of receiving
> multiple replies in a very short time frame.
>
> Any suggestions on other possible solutions or ideas sure would be
> appreciated.
>
> Thanks in advance.
>
> Terry - KA8SCP

1854. Is KAM XL Best TNC for $400-$500?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 00:49:35 UTC
From: johnfofawn@hotmail.com
Message-ID: <d89364bd.0209051649.2a41551b@posting.google.com>
Source record: 5478

Hi,

I'm ready to plunk down some coin on an awesome TNC. I was really close to buying an SCS PTC-II, but $1000 is just a little steep for me.

I am having a hard time deciding between the popular TNCs. I think the KAM XL looks like the best HF/VHF/UHF model around. At $380 it's cheaper than the KAM '98. Why is that? It seems like the XL does more.

Should I be considering the Timewave or MFJ products.

I know the standard question is: What do you want to do? Well I want to be *able* to do anything so I don't mind spending good money to get a good box.

Thanks for your advice! I really do appreciate it.

John

1855. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 02:08:40 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <I6Ud9.7091$GZ6.1688103956@newssvr30.news.prodigy.com>
Source record: 5479

"D. Stussy" <kd6lvw@bde-arc.ampr.org> wrote in message
news:Pine.LNX.4.44.0209052029020.5369-100000@exp.bde-arc.ampr.org...
>
> Fry's does sell wireless lan equipment, but their employees are stupid.
Radio
> Shack doesn't sell that (unless that's recently changed). HRO stays with
> radios, not computers, so they don't sell it either.
>

Guess it depends upon where you live.... Rat Shack sells wireless LAN
equipment in south TX. So does Office Depot, Best Buy, Comp USA, Office Max.
Dunno why anybody would have trouble finding it. It's hard to imagine S.
Texas as being some kind of hotbed of wireless networking.

Charles, N5PVL

1856. Re: Is KAM XL Best TNC for $400-$500?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 02:19:08 UTC
From: Ralph Mowery <rmowery@ctc.net>
Message-ID: <wgUd9.449071$m91.17438469@bin5.nnrp.aus1.giganews.com>
Source record: 5480

Have you looked into the sound card programs ? It might take several
programs to do what the KAM will do but many of them are free.

> I'm ready to plunk down some coin on an awesome TNC. I was really
> close to buying an SCS PTC-II, but $1000 is just a little steep for
> me.
>
> I am having a hard time deciding between the popular TNCs. I think the
> KAM XL looks like the best HF/VHF/UHF model around. At $380 it's
> cheaper than the KAM '98. Why is that? It seems like the XL does more.
>
> Should I be considering the Timewave or MFJ products.
>
> I know the standard question is: What do you want to do? Well I want
> to be *able* to do anything so I don't mind spending good money to get
> a good box.
>
> Thanks for your advice! I really do appreciate it.
>
> John
>

1857. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 02:21:11 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <riUd9.7094$Bt7.1689438356@newssvr30.news.prodigy.com>
Source record: 5481

"Hank Oredson" <horedson@att.net> wrote in message
news:Q2Rd9.12459$jG2.939154@bgtnsc05-news.ops.worldnet.att.net...
>
>snip<
>
> Maybe best to just forget this idea and go back to looking at
> PacComm 56k and the Slovenian stuff. Appears to be something
> real instead of some vapor-hardware-ideas.
>
> ... Hank
>

This is better, by far, and the folks are quite happy to sell to American Hams. Ask for a price list and ordering info, they send it to you. Worth looking into.

http://www.symek.com/g/index-g.html Symek High-Speed Data Radios

http://www.dutch.nl/bdj/index.htm PE1JPD H/S 23cm data-tranciever

http://www.baycom.org/ Baycom High-Speed Modems, TNCs

The Baycom stuff is awesome. European Hams are now using it to upgrade backbone from 19.2 fulldup to 76.8 fulldup, allowing upgrade of user access from 9.6kb to 19.2kb.

Plug 'n play, reasonable prices, high quality equipment.

Charles, N5PVL

1858. Plug-n-play data comms (was Re: Another thought about 802.11b operated under Part 97)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 02:29:21 UTC
From: "Dana H. Myers" <dana@dioxine.net>
Message-ID: <3D7812FB.3040905@dioxine.net>
Source record: 5482

charlesb wrote:

> This is better, by far, and the folks are quite happy to sell to American
> Hams. Ask for a price list and ordering info, they send it to you. Worth
> looking into.
>
> http://www.symek.com/g/index-g.html Symek High-Speed Data Radios
>
> http://www.dutch.nl/bdj/index.htm PE1JPD H/S 23cm data-tranciever
>
> http://www.baycom.org/ Baycom High-Speed Modems, TNCs
>
> The Baycom stuff is awesome. European Hams are now using it to upgrade
> backbone from 19.2 fulldup to 76.8 fulldup, allowing upgrade of user access
> from 9.6kb to 19.2kb.
>
> Plug 'n play, reasonable prices, high quality equipment.

You raised my interest; what are your personal experiences
with this equipment?

Thanks -
Dana K6JQ
dana@dioxine.net

1859. Re: Is KAM XL Best TNC for $400-$500?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 02:51:23 UTC
From: cprstn54zz@att.net
Message-ID: <3d7817d9.26936750@news-server.optonline.net>
Source record: 5483

On Fri, 06 Sep 2002 02:19:08 GMT, "Ralph Mowery" <rmowery@ctc.net>
wrote:
>Have you looked into the sound card programs ? It might take several
>programs to do what the KAM will do but many of them are free.

The sound card programs are not generally competent to TX packet due
to timing problems under Windows..

Ken KC2JDY

Ken
(to reply via email
remove "zz" from address)

1860. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 03:30:52 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <MjVd9.941$1C2.77932@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5484

"charlesb" <n5pvl@sbcglobal.net> wrote in message
news:I6Ud9.7091$GZ6.1688103956@newssvr30.news.prodigy.com...
>
> "D. Stussy" <kd6lvw@bde-arc.ampr.org> wrote in message
> news:Pine.LNX.4.44.0209052029020.5369-100000@exp.bde-arc.ampr.org...
> >
> > Fry's does sell wireless lan equipment, but their employees are stupid.
> Radio
> > Shack doesn't sell that (unless that's recently changed). HRO stays with
> > radios, not computers, so they don't sell it either.
> >
>
> Guess it depends upon where you live.... Rat Shack sells wireless LAN
> equipment in south TX. So does Office Depot, Best Buy, Comp USA, Office Max.
> Dunno why anybody would have trouble finding it. It's hard to imagine S.
> Texas as being some kind of hotbed of wireless networking.

Nothing at Rat Shack here. No computers at all.

Plenty of wireless networking gear available from any/all of
the above, but they dunno nothing about 1W amplifiers or
24 DBi antennas, nor how to deal with the hardware from DOS.

But those questions have all been answered for me now.
Nothing is available in a form of interest: pretty much plug
and play on the hardware side. So I'll do something else.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1861. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 06:00:07 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <jrfgnu0m7j9pcnf4togijbj791sefetqqe@4ax.com>
Source record: 5485

On Fri, 06 Sep 2002 02:21:11 GMT, "charlesb" <n5pvl@sbcglobal.net>
wrote:

>The Baycom stuff is awesome. European Hams are now using it to upgrade
>backbone from 19.2 fulldup to 76.8 fulldup, allowing upgrade of user access
>from 9.6kb to 19.2kb.

While 1200 bit/s is useful for APRS and DX clusters and also for
setting up ad hoc networks in emergency situations due to the great
availability of suitable unmodified radios and computers with sound
cards, but what is the appeal for 9k6 or 19k2 half duplex user access
ports ? These speeds are an overkill for APRS and similar
applications, but still too slow for most interactive applications.

Paul OH3LWR

1862. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 07:10:57 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnangl81.ju1.nomail@linux.pe1chl.ampr.org>
Source record: 5486

Hank Oredson <horedson@att.net> wrote:
>Nothing at Rat Shack here. No computers at all.

>Plenty of wireless networking gear available from any/all of
>the above, but they dunno nothing about 1W amplifiers or
>24 DBi antennas, nor how to deal with the hardware from DOS.

>But those questions have all been answered for me now.
>Nothing is available in a form of interest: pretty much plug
>and play on the hardware side. So I'll do something else.

We have seen this pattern in newsthreads many times. Hank challenges
the others to come up with solutions for his particular problem. When
people post hints about available products (e.g. by naming them), Hank
asks for ready-cooked information and a dealer around the corner. He
also often asks irrelevant questions (like: is it sponsored by ARRL).

When people point him to search engines, he just repeats the same questions
in a followup. Usually third time.

And finally, while all others have read the information from the relevant
websites, he acts as if it is not available, and blames the others for
not serving it to his taste.

Hank, people have other things to do than cutting and pasting URLs from
Google. Learn to type the keywords that people provide for you in
a search engine, or otherwise keep your mouth shut. You are not an
infant that needs to be spoon-fed, so why act like one every time?

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

1863. Re: Is KAM XL Best TNC for $400-$500?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 09:35:36 UTC
From: "S. Miller" <stemp-removethis-@gstarusa.com>
Message-ID: <3D7876E8.2996B2@gstarusa.com>
Source record: 5487

Hi John,

The SCS PTC-IIe is $650 and has the same over-the-air performance of the Pro. If you are willing to spend $400-$500 then you should definitely spring for the extra dollars if you possibly can and go for the SCS unit. If you have any interest at all in HF data communications then the performance difference between Pactor I and Pactor II/III is night and day. The PTC-IIe can also do HF/VHF packet but if packet is your primary interest then the KAM implementation is much more fully featured then the SCS (i.e. has APRS features, etc.).

So, the standard 'what do you want to do' question really does apply... if your interest is primarily HF data then there is no question but to go for the SCS unit if you can. If you are really into the packet/APRS scene then you might want a more fully-featured packet TNC, but even then I would suggest getting the SCS unit and then just picking up an old $50 TNC off of the swap group for APRS. Just one opinion.

- Seth

John wrote:

> Hi,
>
> I'm ready to plunk down some coin on an awesome TNC. I was really
> close to buying an SCS PTC-II, but $1000 is just a little steep for
> me.
>
> I am having a hard time deciding between the popular TNCs. I think the
> KAM XL looks like the best HF/VHF/UHF model around. At $380 it's
> cheaper than the KAM '98. Why is that? It seems like the XL does more.
>
> Should I be considering the Timewave or MFJ products.
>
> I know the standard question is: What do you want to do? Well I want
> to be *able* to do anything so I don't mind spending good money to get
> a good box.
>
> Thanks for your advice! I really do appreciate it.
>
> John

1864. Re: Plug-n-play data comms (was Re: Another thought about 802.11b operated under Part 97)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 10:22:22 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <yl%d9.2494$Gr3.535593022@newssvr12.news.prodigy.com>
Source record: 5488

"Dana H. Myers" <dana@dioxine.net> wrote in message
news:3D7812FB.3040905@dioxine.net...
>
>
> charlesb wrote:
>
> > This is better, by far, and the folks are quite happy to sell to
American
> > Hams. Ask for a price list and ordering info, they send it to you. Worth
> > looking into.
> >
> > http://www.symek.com/g/index-g.html Symek High-Speed Data Radios
> >
> > http://www.dutch.nl/bdj/index.htm PE1JPD H/S 23cm data-tranciever
> >
> > http://www.baycom.org/ Baycom High-Speed Modems, TNCs
> >
> > The Baycom stuff is awesome. European Hams are now using it to upgrade
> > backbone from 19.2 fulldup to 76.8 fulldup, allowing upgrade of user
access
> > from 9.6kb to 19.2kb.
> >
> > Plug 'n play, reasonable prices, high quality equipment.
>
> You raised my interest; what are your personal experiences
> with this equipment?
>
> Thanks -
> Dana K6JQ

Remember the criteria I use to judge the usefulness and relevance of packet networking paradigm?

If it is being used by the folks who actually *build* significant amateur packet raqdio network, and as would naturally follow, it is in fairly widespread use, then I find it to be much more relevant than the stuff that isn't.

The 802.11b stuff does not qualify, because it is only being used on a small-scale basis by isolated hams, not on any significant scale by any significant number of hams. This, despite the alleged low price, easy availability, and the fact that hams have been discussing it for a couple of years now. Your setup is typical of what is being done with 802.11... Not significant if, in fact, it exists at all. I have my doubts about that.

It seems to be that you would be familiar with your own setup (if it really existed) and would so be able to give Hank the information he requested from personal experience. The fact that you cannot puts your "personal experience" into doubt. Makes it sound like vapor, the thing we get so much of from dweebs such as yourself.

I have no personal experience with the equipment listed above. (Well, I do have experience with Baycom, but not what I think of as "significant" experience!)

On the other hand, this equipment is seeing large-scale, significant use in Europe, where it has been proven to be high quality, reliable equipment. I found out about the reasonable prices by following the directions at the web sites associated with them, and recieving a price list.

Charles, N5PVL

1865. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 10:29:07 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <Tr%d9.2495$Sz3.536112308@newssvr12.news.prodigy.com>
Source record: 5489

"Paul Keinanen" <keinanen@sci.fi> wrote in message
news:jrfgnu0m7j9pcnf4togijbj791sefetqqe@4ax.com...
> On Fri, 06 Sep 2002 02:21:11 GMT, "charlesb" <n5pvl@sbcglobal.net>
> wrote:
>
>
> >The Baycom stuff is awesome. European Hams are now using it to upgrade
> >backbone from 19.2 fulldup to 76.8 fulldup, allowing upgrade of user
access
> >from 9.6kb to 19.2kb.
>
> While 1200 bit/s is useful for APRS and DX clusters and also for
> setting up ad hoc networks in emergency situations due to the great
> availability of suitable unmodified radios and computers with sound
> cards, but what is the appeal for 9k6 or 19k2 half duplex user access
> ports ? These speeds are an overkill for APRS and similar
> applications, but still too slow for most interactive applications.
>
> Paul OH3LWR
>

You would have to take off your amateur tcpip blinders off to see the
significance in what most other hams do, Paul. There's a big old world out
there, and you are looking at it through a keyhole. It's no wonder that the
motivations of the great majority of hams is a mystery to you.

Charlers, N5PVL

1866. Re: Is KAM XL Best TNC for $400-$500?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 10:40:37 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <FC%d9.2496$YI3.536693807@newssvr12.news.prodigy.com>
Source record: 5490

The SCS PTC-IIe , in conjunction with a BuxCom "Rascal" interface for soundcard use, will give you the best combination of high performance and choice of operating modes.

I will admit though, that doing so would put you over budget.

If you have no prospect of obtaining any more cash and 500 bucks is as high as you can go, the Timewave PK-232 is a better bet than the KAM.

This is just a personal opinion. Your mileage may vary.

Charles, N5PVL

1867. Re: Plug-n-play data comms (was Re: Another thought about 802.11b operated under Part 97)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 12:24:13 UTC
From: "Dana H. Myers" <dana@dioxine.com>
Message-ID: <3D789E67.8030205@dioxine.com>
Source record: 5491

charlesb wrote:

>>>The Baycom stuff is awesome. European Hams are now using it to upgrade
>>>backbone from 19.2 fulldup to 76.8 fulldup, allowing upgrade of user
>>
> access
>
>>>from 9.6kb to 19.2kb.
>>>
>>>Plug 'n play, reasonable prices, high quality equipment.
>>
>>You raised my interest; what are your personal experiences
>>with this equipment?
>>
>>Thanks -
>>Dana K6JQ
>
>
> Remember the criteria I use to judge the usefulness and relevance of packet
> networking paradigm?

I just wanted to know about your personal experience with this
equipment you're recommending, could you please relate that?

> If it is being used by the folks who actually *build* significant amateur
> packet raqdio network, and as would naturally follow, it is in fairly
> widespread use, then I find it to be much more relevant than the stuff that
> isn't.

Well, sure, but what's your *personal* experience with this equipment
that you highly recommend?

> Your setup is typical of what is being done with 802.11... Not
> significant if, in fact, it exists at all. I have my doubts about that.

Are you calling me a liar? I've shared the details of an 802.11 setup
that I've personally worked on, and you're calling me a liar! So far,
you've avoided sharing your personal experience with equipment you
highly recommend, instead beginning to speak in generalities and
then launching into your requisite personal attacks.

Just answer the question, Charles, without trying to deflect the
attention - what of that hardware you highly recommend have you
personally used? Just a bullet list would be a good start.

> It seems to be that you would be familiar with your own setup (if it really
> existed) and would so be able to give Hank the information he requested from
> personal experience. The fact that you cannot puts your "personal
> experience" into doubt. Makes it sound like vapor, the thing we get so much
> of from dweebs such as yourself.

I *have* given Hank, and everyone else on this newsgroup, that experience.
Just click on this Google link, though I suspect the artcle is still
on your news server, since it was only posted two days ago.

http://groups.google.com/groups?selm=3D76B0CF.4040507%40dioxine.com&oe=UTF-8&output=gplain

This article answered Hank's question on 'how to get started'.

The link I use is constructed mainly of two Lucent cards,
pigtails, a few dozen feet of LMR400 and the associated N-connectors,
two of the YDI 500mW bi-amps and associated DC-injectors, and two
of the PT2424 antennas on solid mounts (they don't tolerate much
shakin' around).

It's real. Come on out to California and see it. I'll grill up
some dinner and open some good wine and you can apologize to my
face.

> I have no personal experience with the equipment listed above. (Well, I do
> have experience with Baycom, but not what I think of as "significant"
> experience!)

Ah. What exactly are you basing your glowing recommendations on?

> On the other hand, this equipment is seeing large-scale, significant use in
> Europe, where it has been proven to be high quality, reliable equipment. I
> found out about the reasonable prices by following the directions at the web
> sites associated with them, and recieving a price list.

Now I understand.

Dana K6JQ
dana@dioxine.net

1868. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 14:31:00 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <E_2e9.14200$jG2.1032879@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5492

"Paul Keinanen" <keinanen@sci.fi> wrote in message
news:jrfgnu0m7j9pcnf4togijbj791sefetqqe@4ax.com...
> On Fri, 06 Sep 2002 02:21:11 GMT, "charlesb" <n5pvl@sbcglobal.net>
> wrote:
>
>
> >The Baycom stuff is awesome. European Hams are now using it to upgrade
> >backbone from 19.2 fulldup to 76.8 fulldup, allowing upgrade of user access
> >from 9.6kb to 19.2kb.
>
> While 1200 bit/s is useful for APRS and DX clusters and also for
> setting up ad hoc networks in emergency situations due to the great
> availability of suitable unmodified radios and computers with sound
> cards, but what is the appeal for 9k6 or 19k2 half duplex user access
> ports ? These speeds are an overkill for APRS and similar
> applications, but still too slow for most interactive applications.
>
> Paul OH3LWR

Which "interactive applications" did you have in mind?
9600 seems to work fine for things like web browsing and telnet..

One does ftp of large files or large groups of files in batch mode
of course, just as one would do on the internet.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1869. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 14:36:19 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <D33e9.14212$jG2.1032796@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5493

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
news:slrnangl81.ju1.nomail@linux.pe1chl.ampr.org...
> Hank Oredson <horedson@att.net> wrote:
> >Nothing at Rat Shack here. No computers at all.
>
> >Plenty of wireless networking gear available from any/all of
> >the above, but they dunno nothing about 1W amplifiers or
> >24 DBi antennas, nor how to deal with the hardware from DOS.
>
> >But those questions have all been answered for me now.
> >Nothing is available in a form of interest: pretty much plug
> >and play on the hardware side. So I'll do something else.
>
> We have seen this pattern in newsthreads many times. Hank challenges
> the others to come up with solutions for his particular problem. When
> people post hints about available products (e.g. by naming them), Hank
> asks for ready-cooked information and a dealer around the corner. He
> also often asks irrelevant questions (like: is it sponsored by ARRL).

Same problem, looking for the same solution, hope that it is
now available. It's not available. Yes, I am looking for "ready
cooked" solutions. That was the entire thrust of my initial question.

I got the answer: no such solution exists yet. Thank you all.
Will ask again in 6 or 9 months. Maybe then such a solution
will exist, and I will consider purchasing it.

The same folks continue to answer my query about "ready
cooked" solutions by telling me I can design my own. I know
that, and I know how, but that was not my question.

So who or what DOES sponser OpenAP?

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1870. Re: printing from a pager???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 15:19:12 UTC
From: Peter Hunt <news@peterhunt.zoetermeernet.nl>
Message-ID: <alah1jgio1@news1.xs4all.nl>
Source record: 5494

Hi Terry,

Maybe a MAKInterface kan help you?

http://www.makinterface.net/index_e.php3

You can also try tnn.comm.pager instead of
this newsgroup.

Bye, Peter Hunt PE1RFR.

1871. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 15:59:14 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnanhk6h.3ds.nomail@linux.pe1chl.ampr.org>
Source record: 5495

Hank Oredson <horedson@att.net> wrote:

>"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
>news:slrnangl81.ju1.nomail@linux.pe1chl.ampr.org...
>> Hank Oredson <horedson@att.net> wrote:
>> >Nothing at Rat Shack here. No computers at all.

>> >Plenty of wireless networking gear available from any/all of
>> >the above, but they dunno nothing about 1W amplifiers or
>> >24 DBi antennas, nor how to deal with the hardware from DOS.

>> >But those questions have all been answered for me now.
>> >Nothing is available in a form of interest: pretty much plug
>> >and play on the hardware side. So I'll do something else.

>> We have seen this pattern in newsthreads many times. Hank challenges
>> the others to come up with solutions for his particular problem. When
>> people post hints about available products (e.g. by naming them), Hank
>> asks for ready-cooked information and a dealer around the corner. He
>> also often asks irrelevant questions (like: is it sponsored by ARRL).

>Same problem, looking for the same solution, hope that it is
>now available. It's not available. Yes, I am looking for "ready
>cooked" solutions. That was the entire thrust of my initial question.

>I got the answer: no such solution exists yet. Thank you all.
>Will ask again in 6 or 9 months. Maybe then such a solution
>will exist, and I will consider purchasing it.

>The same folks continue to answer my query about "ready
>cooked" solutions by telling me I can design my own. I know
>that, and I know how, but that was not my question.

>So who or what DOES sponser OpenAP?

A ready-cooked SOLUTION is something else than ready-cooked INFORMATION
Hank! I refuse to do the searching for you in a world where searching for
information (about topics like this) is as easy as typing the word and
clicking on a button.

You miss all kinds of solutions (ready-cooked solutions) by being so
stubborn in the way you want the information presented to you.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |

1872. 603 FS 10 meter beam & tower

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 16:12:28 UTC
From: Me <j.dauphinais@worldnet.att.net>
Message-ID: <Mt4e9.14324$jG2.1042380@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5496
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.homebrew

I have for sale 1 full size "HY-Gain" beam 10 meters. fully assembled for your inspection. 13' Boom and longest element is 22' $75.00 I also have a steel tower totaling 25'. this is in 3 sections 1 10 foot st8 and 1 5foot st8 and 1 10 foot top section. I don't not have a rotator. $50.00. pickup only from Nashua,NewHampshire. I am selling these because they are to big for my new QTH. This beam has spent a large portion of its life in storage. 73's Jeff AA1GR

1873. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 17:01:30 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <Kb5e9.1604$1C2.131500@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5497

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
news:slrnanhk6h.3ds.nomail@linux.pe1chl.ampr.org...
> Hank Oredson <horedson@att.net> wrote:
>
> >"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
> >news:slrnangl81.ju1.nomail@linux.pe1chl.ampr.org...
> >> Hank Oredson <horedson@att.net> wrote:
> >> >Nothing at Rat Shack here. No computers at all.
>
> >> >Plenty of wireless networking gear available from any/all of
> >> >the above, but they dunno nothing about 1W amplifiers or
> >> >24 DBi antennas, nor how to deal with the hardware from DOS.
>
> >> >But those questions have all been answered for me now.
> >> >Nothing is available in a form of interest: pretty much plug
> >> >and play on the hardware side. So I'll do something else.
>
> >> We have seen this pattern in newsthreads many times. Hank challenges
> >> the others to come up with solutions for his particular problem. When
> >> people post hints about available products (e.g. by naming them), Hank
> >> asks for ready-cooked information and a dealer around the corner. He
> >> also often asks irrelevant questions (like: is it sponsored by ARRL).
>
> >Same problem, looking for the same solution, hope that it is
> >now available. It's not available. Yes, I am looking for "ready
> >cooked" solutions. That was the entire thrust of my initial question.
>
> >I got the answer: no such solution exists yet. Thank you all.
> >Will ask again in 6 or 9 months. Maybe then such a solution
> >will exist, and I will consider purchasing it.
>
> >The same folks continue to answer my query about "ready
> >cooked" solutions by telling me I can design my own. I know
> >that, and I know how, but that was not my question.
>
> >So who or what DOES sponser OpenAP?
>
> A ready-cooked SOLUTION is something else than ready-cooked INFORMATION
> Hank! I refuse to do the searching for you in a world where searching for
> information (about topics like this) is as easy as typing the word and
> clicking on a button.
>
> You miss all kinds of solutions (ready-cooked solutions) by being so
> stubborn in the way you want the information presented to you.

I've looked at everything anyone has posted.
Charles posted useful links, but is the same stuff as last time
I asked the question.

Yes, I've been to the OpenAP web page.
Nothing useful there.

It seems hard for folks to understand my question.
Don't know how to make it more simple.
I am looking for plug and play solutions.

They are not for *me* to use, I can design and build my own
if I wish to do that. They are for some hams who want to build a
network. They do not want to create their own capacitors and resistors,
nor build computers from parts, or assemble things from kits. Sure they
could do that, but that was not the question they asked. They want
to plug together modems, radios, etc. and make a network. They need
30 - 40 links, and they have money to buy things. What they have
bought so far is a few KPC-9612 TNCs, TEKK radios, M2 antennas,
thrift shop computers, 9913 coax, Astron power supplies. They
have the first test links working at 9600 and 1200 baud. 56k or
faster would be desirable. The question they asked me was "Can we
buy something different than the above list of gear and get faster links."

I gave them pointers to PacComm and Symek long ago,
since those are known working plug and play solutions.
They may buy some of that gear for test links.

So I asked here about T1 data rate.
Got the answer after much pushing and shoving: nothing is available.

"One might" or "One could" is not an interesting answer.
"I built one link" is not an interesting answer.

"We did" along with "We used this gear" and "We have 10
links working in a network" would be an interesting answer.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1874. Re: APRS Email

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 20:00:00 UTC
From: "B. Smith" <b.smith@ou.edu>
Message-ID: <7H7e9.178$95.3868@news.ou.edu>
Source record: 5498

If it would be useful, then it won't be available on Ham radio.

Get a cell phone, or Ku band satellite radio.

Ham Radio is for morse code, and not for being useful.

"Hank Oredson" <horedson@att.net> wrote
> Cool!
> Can I email you an MP3 of the new Brittany song?
> How about a picture of my cat?
> Or more on point: the map that shows how to get to my house.
>
> --
>
> ... Hank

1875. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 20:06:39 UTC
From: "B. Smith" <b.smith@ou.edu>
Message-ID: <mN7e9.179$95.3824@news.ou.edu>
Source record: 5499

It's called FEMA now.

"Hank Oredson" <horedson@att.net> wrote
>
> You seem to have forgotten about the emergency services folks.

1876. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 20:14:27 UTC
From: "B. Smith" <b.smith@ou.edu>
Message-ID: <FU7e9.180$95.3654@news.ou.edu>
Source record: 5500

They work fine. Our wireless WAN remained operational, on
emergency power, for the 3 weeks that we lost commercial power
and cooling after the largest tornado in Oklahoma history wiped out
all the homes between our two link nodes (500 mW, 21 db gain
antenna's). It has both data and VOIP channels.

"Hank Oredson" <horedson@att.net> wrote
> >
> > Since 802.11b "community" networks are growing like gangbusters (pringle
can
> > antennas even!) and packet has slowed to a crawl -- could it be that the
> > latest generation doesn't *need* an amateur liscense to do a packet like
> > network?
>
> You have any of those running yet?
> Let me know how they work out after the tornado goes through.

1877. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 20:24:44 UTC
From: "B. Smith" <b.smith@ou.edu>
Message-ID: <i28e9.181$95.3743@news.ou.edu>
Source record: 5401

44net is redundant. That whole class needs to be returned
to the industry for effective use. Mostly it has been abandoned.

All Ham radio can be done within the private address space
(192,168, 10, etc) Just replace 44 with 10.

Coordination should be no more complex than your neighbor nodes.
Pick whatever you want.

"Xenophon" <xenophon@phreaker.net> wrote
>
> 5. The IP address co-ordinators need to start putting their phone numbers
> on the list so that ppl looking for a 44. IP can actually get one. *hint*
> ;)

1878. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 20:58:28 UTC
From: "B. Smith" <b.smith@ou.edu>
Message-ID: <Wx8e9.182$95.3780@news.ou.edu>
Source record: 5402

You did. As long as you don't keep the password a secret,
you can use encryption. (e.g., to connect to our backbone, the
WEP password is "hamradio," which then generates the hex
digits.) The password is available to all coordinators. The same
logic applies to a remote control password on a TNC node.

The intent of the law is to prevent hams from conducting secret
communications that could be used to subvert the federal power
over the citizens.

"Hank Oredson" <horedson@att.net> wrote
> Unless I mis-read part 97, we cannot use WEP or any
> other encryption of our transmissions.
>
> --
>
> ... Hank

1879. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 21:08:15 UTC
From: "B. Smith" <b.smith@ou.edu>
Message-ID: <5H8e9.183$95.3875@news.ou.edu>
Source record: 5403

I use my Sharp Zaurus (linux based) and a wireless card
to do my sniffing (kismet and kismet-qt). This is pretty cool,
and I've found three non-WEP access points with my 21 db
gain parabolic on a radio-shack rotator.

Zaurus is COOL! Run, don't walk, and get one. Then go to
www.zauruszone.com

"Gary Fiber" <g.fiber@verizon.net> wrote
>
> Netstumbler for windows seeks out access
> points there is a likewise program for linux but i can't remember what the
> name of it is.

1880. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 21:33:12 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0209062103170.6791-100000@exp.bde-arc.ampr.org>
Source record: 5404

On Thu, 5 Sep 2002, Hank Oredson wrote:
>"D. Stussy" <kd6lvw@bde-arc.ampr.org> wrote in message
>news:Pine.LNX.4.44.0209052017470.5369-100000@exp.bde-arc.ampr.org...
>> On Wed, 4 Sep 2002, Hank Oredson wrote:
>> >Unless I mis-read part 97, we cannot use WEP or any
>> >other encryption of our transmissions.
>>
>> We can use stuff that protects the network from unauthorized users, but the
>FCC
>> may have to be made aware of the method (so they can monitor it) - just like
>> under the old SS rules where we had to give them the hop sequence if we
>weren't
>> using the standard one. Preventing unauthorized access to a station is a
>> licensee's responsibility.
>
>"... stuff ..." does not seem to include data encryption.
>
>> ONLY encryption designed to OBSCURE the message is forbidden. Compression
>
>Isn't that the whole point of what the hardware does?
>Or did I not understand what I read at the Agere web site?
>It said "uses" and not "may use" or "capable of using".
>Can one turn it off?

I have heard that some of the 802.11b stuff can disable WEP completely and will continue to work. However, I have not confirmed this. I think that the best way to explore this (besides individual manufacturers' sites) would be to look for wireless lan notes for Linux - since they usually have to do some hacking at the lowest hardware level in order to develope drivers for them.

>> (which generally makes a message non-human readable) isn't encryption because
>> its purpose is to make the message smaller, not to obscure its meaning, and
>is
>> therefore legal. This means that PGP, SSL, and other such things are not
>legal
>
>Period.
>
>> (in the absence of giving the FCC the appropriate decryption keys, which
>> partially [if not fully] defeats the purpose of encrypting).
>
>Where is that in Part 97? Could not find any exceptions.
>
>> Now, I'm not certain how much of WEP is actually for access and how much is
>for

>> encryption within a private wireless lan - only because I have yet to
>actually
>> mess with these devices first hand. It may come down to: "no problem, as
>long
>> as the FCC has your wlan's WEP keys/info and transmitting location" (assuming
>> that part 15 limits are exceeded).
>
>It's encryption. We can't do that.

I disagree. It's pretty hard for the FCC to say that the INTENT is to obscure the meaning via codes or ciphers if they have the keys and can read the data transmitted over the link. What it comes down to is how much of that is merely the wireless encoding method and keeping the unauthorized out as opposed to concealment. I don't know of anyone who can listen to a 1200 packet transmission and decode it aurally WITHOUT any electronics whatsoever, yet that is legal - because its encoding is so that it can be transmitted, not to hide the meaning. If one wants "cryptic," look at APRS: There are some packets where the geographic coordinates are transmitted as BINARY values, not text.

47 CFR 97.113(d)(1) does indicate that there are exceptions to the "code and cipher" ban. I found cross references in 97.215 (RC of model craft) and 97.309 (RTTY and [digital interchange codes]). At this point, the FCC has not said that a wireless ethernet packet encapsulating TCP/IP (or other transport protocol set) further encapsulating ASCII data (or even binary data) isn't forbidden, and the TCP/IP part is clearly not since it's allowed to be encapsulated via AX.25 and has been so for about 15-20 years.

Like I said, if the FCC (and therefore the public) has the keys, that defeats the INTENT to encrypt and that may be all that is necessary. You could always ask for a ruling....

>The Agere cards come to $250 per end, not unreasonable.
>
>So where do I buy that stuff I asked about?
>Would rather use the 23 cm band (trees, remember?), is gear available?
>
>How about some real help here instead of just speculation.
>Model numbers, part numbers, connector information, device driver
>and interface information, actual hard facts instead of "one might".
>
>Maybe best to just forget this idea and go back to looking at
>PacComm 56k and the Slovenian stuff. Appears to be something
>real instead of some vapor-hardware-ideas.

First of all, forget any PCMCIA card solutions. Go with the "desktop" adapters, since many of them seem to screw on their antennas with a variation of an SMA connector (they call it "reverse SMA" - not certain if that means that the threads go the other way or if they merely refer to the gender of the connector). However, watch out - some "desktop" solutions are merely interface boards for PCMCIA card solutions (e.g. DLINK DWL-500)

Linksys and DLINK have PCI desktop cards with these SMA connectors. DLINK has both 2.4 and 5GHz cards. I haven't done that much looking - there are probably others. I do remember "AT&T Wavelan"'s also having a 900MHz version. I don't remember specific hardware being mentioned during the discussion regarding 802.11b on "rec.radio.amateur.policy" a few months ago.

1881. Fry's - was Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 21:36:48 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0209062134520.6791-100000@exp.bde-arc.ampr.org>
Source record: 5405

On Thu, 5 Sep 2002, Hank Oredson wrote:
>> ... Fry's does sell wireless lan equipment, but their employees are stupid.
>
>What should I ask them then?

You don't. You should know that by now! One finds the stuff by reading the overhead signs - the read all the boxes of the products, etc., ...

Probably only 5% of Fry's employees actually know the stuff they're selling well enough to be helpful (in my experience).

1882. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 21:38:01 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0209062137440.6791-100000@exp.bde-arc.ampr.org>
Source record: 5406

On Fri, 6 Sep 2002, charlesb wrote:
>"D. Stussy" <kd6lvw@bde-arc.ampr.org> wrote in message
>news:Pine.LNX.4.44.0209052029020.5369-100000@exp.bde-arc.ampr.org...
>>
>> Fry's does sell wireless lan equipment, but their employees are stupid.
>Radio
>> Shack doesn't sell that (unless that's recently changed). HRO stays with
>> radios, not computers, so they don't sell it either.
>>
>
>Guess it depends upon where you live.... Rat Shack sells wireless LAN
>equipment in south TX. So does Office Depot, Best Buy, Comp USA, Office Max.
>Dunno why anybody would have trouble finding it. It's hard to imagine S.
>Texas as being some kind of hotbed of wireless networking.

Gee - could it be that Radio Shack is BASED in Texas?

1883. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 21:47:04 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0209062141200.6791-100000@exp.bde-arc.ampr.org>
Source record: 5407

On Fri, 6 Sep 2002, B. Smith wrote:
>44net is redundant. That whole class needs to be returned
>to the industry for effective use. Mostly it has been abandoned.

I disagree. Had we kept up with speed, probably 80%+ of the addresses would be in use. It could come back to that if we can properly integrate this commercial wireless lan stuff back into the network (even if we get stuck with the part 15 limits - or choose to so as to avoid the content restrictions). It's not dead yet!

>All Ham radio can be done within the private address space
>(192,168, 10, etc) Just replace 44 with 10.

I agree that there is no absolute need to have all the addresses be of the same network (and there are actually a few which are not 44.x.y.z).

>Coordination should be no more complex than your neighbor nodes.
>Pick whatever you want.
>
>"Xenophon" <xenophon@phreaker.net> wrote
>>
>> 5. The IP address co-ordinators need to start putting their phone numbers
>> on the list so that ppl looking for a 44. IP can actually get one. *hint*

That part has always been a problem. Fortunately, I know my area's coordinator personally, but many people don't.

1884. Re: Is KAM XL Best TNC for $400-$500?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 22:35:08 UTC
From: johnfofawn@hotmail.com
Message-ID: <d89364bd.0209061435.371b75b0@posting.google.com>
Source record: 5408

Thanks for all the great advice.

HF packet really is really my primary interest. Pactor I would be
nice, but since I'll only be able to talk to other people with SCS
boxes with Pactor II I don't think I'll find it that useful.

I guess I'm wondering of the Kam XL, Kam 98, Timewave, or MFJ which is
the best TNC.

The Kam XL can do 9600 Packet. Is that allowed on HF?

Do people do APRS on HF or is it only VHF/UHF?

I think the soundcard stuff is neat, but in my experience it's been
too much hassle and too error prone to let me really enjoy the digital
modes. I've got an HP Omnibook 6000 laptop that I use for all ham
radio stuff. It's internal sound card is pretty crappy and there is
lots of noise in general inside the laptop. I'd prefer to use it only
to control modems, not to be a modem itself. Is that reasonable?

Thanks for the advice!
John

"S. Miller" <stemp-removethis-@gstarusa.com> wrote in message
news:<3D7876E8.2996B2@gstarusa.com>...
> Hi John,
>
> The SCS PTC-IIe is $650 and has the same over-the-air performance of the
> Pro. If you are willing to spend $400-$500 then you should definitely
> spring for the extra dollars if you possibly can and go for the SCS unit.
> If you have any interest at all in HF data communications then the
> performance difference between Pactor I and Pactor II/III is night and day.
> The PTC-IIe can also do HF/VHF packet but if packet is your primary
> interest then the KAM implementation is much more fully featured then the
> SCS (i.e. has APRS features, etc.).
>
> So, the standard 'what do you want to do' question really does apply... if
> your interest is primarily HF data then there is no question but to go for
> the SCS unit if you can. If you are really into the packet/APRS scene then
> you might want a more fully-featured packet TNC, but even then I would
> suggest getting the SCS unit and then just picking up an old $50 TNC off of
> the swap group for APRS. Just one opinion.
>
> - Seth
>
>

>
> John wrote:
>
> > Hi,
> >
> > I'm ready to plunk down some coin on an awesome TNC. I was really
> > close to buying an SCS PTC-II, but $1000 is just a little steep for
> > me.
> >
> > I am having a hard time deciding between the popular TNCs. I think the
> > KAM XL looks like the best HF/VHF/UHF model around. At $380 it's
> > cheaper than the KAM '98. Why is that? It seems like the XL does more.
> >
> > Should I be considering the Timewave or MFJ products.
> >
> > I know the standard question is: What do you want to do? Well I want
> > to be *able* to do anything so I don't mind spending good money to get
> > a good box.
> >
> > Thanks for your advice! I really do appreciate it.
> >
> > John

1885. Re: Is KAM XL Best TNC for $400-$500?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 22:36:59 UTC
From: johnfofawn@hotmail.com
Message-ID: <d89364bd.0209061436.2b4ebfe7@posting.google.com>
Source record: 5409

"charlesb" <n5pvl@sbcglobal.net> wrote in message
news:<FC%d9.2496$YI3.536693807@newssvr12.news.prodigy.com>...
> If you have no prospect of obtaining any more cash and 500 bucks is as high
> as you can go, the Timewave PK-232 is a better bet than the KAM.

What do you like about the Timewave that makes it better than the KAM
XL, KAM '98, and MFJ modems?

Thanks,
John

1886. Re: Is KAM XL Best TNC for $400-$500?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 23:05:57 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <pxae9.15256$Tr5.3812041824@newssvr11.news.prodigy.com>
Source record: 5410

"John" <johnfofawn@hotmail.com> wrote in message
news:d89364bd.0209061436.2b4ebfe7@posting.google.com...
> "charlesb" <n5pvl@sbcglobal.net> wrote in message
news:<FC%d9.2496$YI3.536693807@newssvr12.news.prodigy.com>...
> > If you have no prospect of obtaining any more cash and 500 bucks is as
high
> > as you can go, the Timewave PK-232 is a better bet than the KAM.
>
> What do you like about the Timewave that makes it better than the KAM
> XL, KAM '98, and MFJ modems?
>
> Thanks,
> John

In an earlier post, you mentioned only being interested in HF packet. For that, the KAM and PK-232 are both "overkill", needlessly expensive.

MFJ 1270c packet TNC costs around 125 bucks, will do 300 baud packet, which is what is legal for that mode on HF. You can usually find one used, of course, for much less. Check out E-bay, see if there's one there.

The reason that the PACTOR II and PACTOR III is mentioned, is that the throughput is MANY times higher than can be obtained with 300 baud packet. - You can do more with it, faster. Also, because of its slowness, HF packet is falling out of use. There are still stations out there, but not nearly as many as in former times.

To get back to your question, I like the PK-232 better because I have known hams who had reliability problems with KAMS, but have not heard so many stories about PK-232's. (There's always SOMEBODY who has a problem, of course, with anything.) One ham I know had a defunct KAM that took over 18 months of hassling back and forth with Kantronics to get it functioning again.

The PK-232 also has an automatic signal indentification mode that I found to be very interesting, as it allowed me to "listen in" on commercial, (some) government, and news service transmissions in various digital modes that other controllers do not copy. If you are not interested in this sort of thing though, the feature would be a moot point.

Another feature that you may not care about is the PJK-232's ability to do the soundcard "thing". You have said that soundcard stuff does not interest you, but I thought I'd mention it anyway.

Charles, N5PVL

1887. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 23:12:29 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <xDae9.15257$NB5.3812678802@newssvr11.news.prodigy.com>
Source record: 5412

"D. Stussy" <kd6lvw@bde-arc.ampr.org> wrote in message
news:Pine.LNX.4.44.0209062137440.6791-100000@exp.bde-arc.ampr.org...
> On Fri, 6 Sep 2002, charlesb wrote:
> >"D. Stussy" <kd6lvw@bde-arc.ampr.org> wrote in message
> >news:Pine.LNX.4.44.0209052029020.5369-100000@exp.bde-arc.ampr.org...
> >>
> >> Fry's does sell wireless lan equipment, but their employees are stupid.
> >Radio
> >> Shack doesn't sell that (unless that's recently changed). HRO stays
with
> >> radios, not computers, so they don't sell it either.
> >>
> >
> >Guess it depends upon where you live.... Rat Shack sells wireless LAN
> >equipment in south TX. So does Office Depot, Best Buy, Comp USA, Office
Max.
> >Dunno why anybody would have trouble finding it. It's hard to imagine S.
> >Texas as being some kind of hotbed of wireless networking.
>
> Gee - could it be that Radio Shack is BASED in Texas?
>

That's it... Tandy's headquarters are in Ft. Worth (Farts Worse) Texas,
about 650 miles north of my location, and a dozen or so miles west of
Dallas.

There is an amusing travel postcard that comments on the size of Texas,
showing a motorist driving across the state...

"The sun has riz and the sun has set, but here I is, in Texas yet!"

Charles, N5PVL

1888. Re: Plug-n-play data comms (was Re: Another thought about 802.11b operated under Part 97)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-06 23:12:30 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <yDae9.15258$GA5.3812607091@newssvr11.news.prodigy.com>
Source record: 5411

"Dana H. Myers" <dana@dioxine.com> wrote in message
news:3D789E67.8030205@dioxine.com...
>
>
>
> Are you calling me a liar?

Yes.

Charles, N5PVL

1889. Re: Is Packet nearly over?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-07 00:48:48 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <Q1ce9.14915$jG2.1091169@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5413
Body handling: HTML body converted to readable text

You mean RACES and ARES have gone away?

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"B. Smith" wrote in message
news:mN7e9.179$95.3824@news.ou.edu...
> It's called FEMA now.
>
> "Hank Oredson" wrote
> >
> > You seem to have forgotten about the emergency services folks.
>
>
>

1890. Re: Plug-n-play data comms (was Re: Another thought about 802.11b operated under Part 97)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-07 01:09:39 UTC
From: "Dana H. Myers" <dana@dioxine.com>
Message-ID: <3D7951CD.4040602@dioxine.com>
Source record: 5414

Well then. What should have been a technical discussion
turns into blatant attack on my character.

Charles, I haven't lied. There's no evidence that I
have lied and ample evidence that I'm telling the truth.
Apparently you're unable and unwilling to accept the
truth.

You tout products you've never even seen - other than
on a web page - as "far superior". You talk about
things you've never experienced - how many European
ham/packet operators do you personally know? How
many times have you been to Europe at all?

I built a 12 mile data link using 802.11 components
and amateur radio ingenuity. Call me a liar, impugn
my reputation, it only makes you look more like the
dilettante you've proven yourself to be.

I thought I could help you expand your knowledge
with my own personal experience, but you reject it
because I don't sing your political anthem. When you
like what someone says, you go around repeating it
without an inkling of independent confirmation.

I'm interesting in data communications technology
and applications. You appear to be interested in
grandstanding and politicing.

Bye.

charlesb wrote:
> "Dana H. Myers" <dana@dioxine.com> wrote in message
> news:3D789E67.8030205@dioxine.com...
>
>>
>>
>>Are you calling me a liar?
>
>
> Yes.
>
> Charles, N5PVL
>
>

>
>
>

1891. Re: Plug-n-play data comms (was Re: Another thought about 802.11b operated under Part 97)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-07 01:09:50 UTC
From: "Dana H. Myers" <dana@dioxine.net>
Message-ID: <3D7951D9.1000001@dioxine.net>
Source record: 5415

Well then. What should have been a technical discussion
turns into blatant attack on my character.

Charles, I haven't lied. There's no evidence that I
have lied and ample evidence that I'm telling the truth.
Apparently you're unable and unwilling to accept the
truth.

You tout products you've never even seen - other than
on a web page - as "far superior". You talk about
things you've never experienced - how many European
ham/packet operators do you personally know? How
many times have you been to Europe at all?

I built a 12 mile data link using 802.11 components
and amateur radio ingenuity. Call me a liar, impugn
my reputation, it only makes you look more like the
dilettante you've proven yourself to be.

I thought I could help you expand your knowledge
with my own personal experience, but you reject it
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I'm interesting in data communications technology
and applications. You appear to be interested in
grandstanding and politicing.

Bye.

charlesb wrote:
> "Dana H. Myers" <dana@dioxine.com> wrote in message
> news:3D789E67.8030205@dioxine.com...
>
>>
>>
>>Are you calling me a liar?
>
>
> Yes.
>
> Charles, N5PVL
>
>

>
>
>

1892. Re: RadioShack Equipment

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-07 02:16:49 UTC
From: James Alexander <james-m-alexander@rogers.com>
Message-ID: <3D7961D4.97F40E19@rogers.com>
Source record: 5416

Chetan Bhargava wrote:

> Hi,
>
> I'm planning to buy a starter 2m mobile. How good are Radio Shack 2m
> mobiles? I have two options
> 1. RadioShack HTX-212
> 2. Kenwood TM-201B
> 3. RadioShack HTX-242
>
> I guess Kenwood has low RF output.
>
> Thanks.
>
> Chet

Hi Chet,

I got the RS HTX-404, the 70cm version of the htx 202 handheld and found its not too bad. I got it on sale a few years ago. I've got no complaints about it. I've heard it was made for RS by another company (Icom? I cant remember for sure). A bit better that some of the other radio shack house brand stuff I've tried over the years.

1893. Zaurus and 802.11 (was Re: Another thought about 802.11b operated under Part 97)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-07 02:26:03 UTC
From: "Dana H. Myers" <dana@dioxine.net>
Message-ID: <3D7963B4.1010602@dioxine.net>
Source record: 5417

B. Smith wrote:
> I use my Sharp Zaurus (linux based) and a wireless card
> to do my sniffing (kismet and kismet-qt). This is pretty cool,
> and I've found three non-WEP access points with my 21 db
> gain parabolic on a radio-shack rotator.

Heh. I've found my Zaurus SL-5000D quite useful for
debugging and general diagnostic use while setting up
links, and, yes, kismet is a superb tool.

I've done a bit of war-driving and it never ceases
to amaze me how much 802.11 activity I've found.

On your Zaurus, which CF 802.11 card are you using?
I have the Linksys card, which does not have an
external antenna connector, but it's trivial to
pop the little plastic cover off of the antenna
and find PC artwork for a connector, I'm going
to add one eventually (I'm pretty certain the
Prism chipset will automatigically sense it without
trouble).

> Zaurus is COOL! Run, don't walk, and get one. Then go to
> www.zauruszone.com

Try to get a developer's deal on one - $200 in my case.
It's a great tool and it's actually a good PDA. I've
been meaning to tinker with the PJAE on it but real
life hasn't left much time for that...

Dana K6JQ
dana@dioxine.net

1894. Re: RadioShack Equipment

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-07 02:36:30 UTC
From: "Dana H. Myers" <dana@dioxine.net>
Message-ID: <3D796627.7020004@dioxine.net>
Source record: 5419

James Alexander wrote:

> I got the RS HTX-404, the 70cm version of the htx 202 handheld and found its
> not too bad. I got it on sale a few years ago. I've got no complaints about
> it. I've heard it was made for RS by another company (Icom? I cant remember
> for sure). A bit better that some of the other radio shack house brand stuff
> I've tried over the years.

I *know* for a fact the HTX-202 was made by Maxon, and it was
actually a decent radio with above-average receiver front-end.
It was a little more like the land-mobile stuff made by Maxon
than a wide-range scanner with a transmitter tagged on. It was
still a Maxon, mind you...

I do not know who is making RS's current generation of
radios, but I'd tend to suspect they're still Maxon, and
almost certainly not ICOM. One hint is to look on the
label for the country of manufacture - Maxon is in Korea
and Icom is in Japan. However, lots of people outsource
now especially to China (I have a Canon EOS camera that's
made in China, for example).

One of the most amazing things I saw in China was
billboards for big General Motors cars - all made
in China.

Dana K6JQ
dana@dioxine.net

1895. Re: Is KAM XL Best TNC for $400-$500?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-07 02:36:43 UTC
From: "S. Miller" <stemp-removethis-@gstarusa.com>
Message-ID: <3D79663B.3C91F27E@gstarusa.com>
Source record: 5418

OK, that clarifies things a little. If you don't need (relatively) high-speed file transfer over HF
then you probably don't need one of the SCS units. The other raison d'i¿½tre for Pactor II/III is HF
email, but sounds like that isn't your primary interest either.

No 9600 baud packet on HF for both technical and regulatory reasons... and you will soon be finding out
that even 300 baud doesn't work very well. There is some APRS activity on 300 baud packet though.

Besides APRS, if you want to talk to other hams using an HF digital mode and will only be doing
keyboard-to-keyboard chat stuff then you are really better off with one of the many soundcard modes
(PSK31, MFSK, Hell, etc.). There are some advantages to a stand-alone TNC but from your description of
your interests and your newbie status (no offense intended) I would advise holding off on investing a
lot of money in a TNC until you experiment with the free soundcard modes... I think that you will find
that they work very well (including the packet implementations). You can always buy a TNC later once
you find out what you really want/need.

Whatever you do, have fun!

- Seth

John wrote:

> Thanks for all the great advice.
>
> HF packet really is really my primary interest. Pactor I would be
> nice, but since I'll only be able to talk to other people with SCS
> boxes with Pactor II I don't think I'll find it that useful.
>
> I guess I'm wondering of the Kam XL, Kam 98, Timewave, or MFJ which is
> the best TNC.
>
> The Kam XL can do 9600 Packet. Is that allowed on HF?
>
> Do people do APRS on HF or is it only VHF/UHF?
>
> I think the soundcard stuff is neat, but in my experience it's been
> too much hassle and too error prone to let me really enjoy the digital

> modes. I've got an HP Omnibook 6000 laptop that I use for all ham
> radio stuff. It's internal sound card is pretty crappy and there is
> lots of noise in general inside the laptop. I'd prefer to use it only
> to control modems, not to be a modem itself. Is that reasonable?
>
> Thanks for the advice!
> John
>
> "S. Miller" <stemp-removethis-@gstarusa.com> wrote in message
news:<3D7876E8.2996B2@gstarusa.com>...
> > Hi John,
> >
> > The SCS PTC-IIe is $650 and has the same over-the-air performance of the
> > Pro. If you are willing to spend $400-$500 then you should definitely
> > spring for the extra dollars if you possibly can and go for the SCS unit.
> > If you have any interest at all in HF data communications then the
> > performance difference between Pactor I and Pactor II/III is night and day.
> > The PTC-IIe can also do HF/VHF packet but if packet is your primary
> > interest then the KAM implementation is much more fully featured then the
> > SCS (i.e. has APRS features, etc.).
> >
> > So, the standard 'what do you want to do' question really does apply... if
> > your interest is primarily HF data then there is no question but to go for
> > the SCS unit if you can. If you are really into the packet/APRS scene then
> > you might want a more fully-featured packet TNC, but even then I would
> > suggest getting the SCS unit and then just picking up an old $50 TNC off of
> > the swap group for APRS. Just one opinion.
> >
> > - Seth
> >
> >
> >
> > John wrote:
> >
> > > Hi,
> > >
> > > I'm ready to plunk down some coin on an awesome TNC. I was really
> > > close to buying an SCS PTC-II, but $1000 is just a little steep for
> > > me.
> > >
> > > I am having a hard time deciding between the popular TNCs. I think the
> > > KAM XL looks like the best HF/VHF/UHF model around. At $380 it's
> > > cheaper than the KAM '98. Why is that? It seems like the XL does more.
> > >
> > > Should I be considering the Timewave or MFJ products.
> > >
> > > I know the standard question is: What do you want to do? Well I want
> > > to be *able* to do anything so I don't mind spending good money to get
> > > a good box.
> > >

> > > Thanks for your advice! I really do appreciate it.
> > >
> > > John

1896. 1200 baud on 10m (was Re: Is KAM XL Best TNC for $400-$500?)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-07 02:50:28 UTC
From: "Dana H. Myers" <dana@dioxine.net>
Message-ID: <3D79696C.5040504@dioxine.net>
Source record: 5420

There was, at one time, a moderate bit of
activity on 10m 1200baud packet, mostly around
28.195 USB. Haven't looked in years, though.
It was, like 10m, sporadic at best but could be
pretty cool when conditions were together. There
were a couple of Net/Rom nodes near 28.195 that I
could often hit. This was 10 years ago, though.

Dana K6JQ
dana@dioxine.net

S. Miller wrote:
> OK, that clarifies things a little. If you don't need (relatively) high-speed file transfer over HF
> then you probably don't need one of the SCS units. The other raison d'ï¿½tre for Pactor II/III is HF
> email, but sounds like that isn't your primary interest either.
>
> No 9600 baud packet on HF for both technical and regulatory reasons... and you will soon be finding out
> that even 300 baud doesn't work very well. There is some APRS activity on 300 baud packet though.

1897. Re: Is KAM XL Best TNC for $400-$500?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-07 02:50:48 UTC
From: Rob <noemail@pse.com>
Message-ID: <oTde9.12144$YR2.1860663@news20.bellglobal.com>
Source record: 5421

Hi John,

If HF Packet is your primary interest then I would recommend that you go with one of the KAM's (i.e. a KAM, KAM XL, KAM Plus or KAM 98).

You can pick up a KAM off Ebay for less than $100 US. A Kam Plus usually goes for $150 to $200 US. If you want a deal, try to get a KAM with an enhancement board and firmware version 8.0E or higher. There is not much difference between a KAM (with an enhancement board) and a KAM Plus other than the ability to add more RAM for the mailbox in the KAM Plus. I have seem Kams with an enhancement board sell on Ebay for less than $100 US.

I can't comment on the performance of a KAM XL with its DSP since I have never used one. It is possible that with its DSP, the KAM XL may outperform the KAM, KAM Plus or KAM98 on HF Packet.

I think you will find that most of the HF packet stations operating on 14.105 (or Network105) use Kams. The Kantronics modems generally have more features/options than the AEA/Timewave modems for packet operation.

But please note that in my experience the old KAM or KAM Plus do NOT perform nearly as well as a PK-232 or Pk-900 on Pactor 1. (I suspect that Kantronics did NOT do a great job when implementing the Pactor protocol in the KAM, KAM Plus and KAM98).

If you are going to operate a lot of Pactor 1, I suggest you pick up a second hand PK-232 or Pk-900 instead. (With its HARDWARE memory ARQ system, the PK-900 is much better than the PK-232 (or the KAM) on Pactor or Amtor in my opinion. The PK-900 also gives you two ports that operate simultaneously like the Kam, Kam plus etc)

But if you would like to experience a great HF error free mode that is VERY FAST, save up and get a PTC-IIe or a PTC-II. You have to see it to believe it!

Rob

"John" <johnfofawn@hotmail.com> wrote in message
news:d89364bd.0209061435.371b75b0@posting.google.com...
> Thanks for all the great advice.
>
> HF packet really is really my primary interest. Pactor I would be
> nice, but since I'll only be able to talk to other people with SCS
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> The Kam XL can do 9600 Packet. Is that allowed on HF?
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> radio stuff. It's internal sound card is pretty crappy and there is
> lots of noise in general inside the laptop. I'd prefer to use it only
> to control modems, not to be a modem itself. Is that reasonable?
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> Thanks for the advice!
> John
>
> "S. Miller" <stemp-removethis-@gstarusa.com> wrote in message
news:<3D7876E8.2996B2@gstarusa.com>...
> > Hi John,
> >
> > The SCS PTC-IIe is $650 and has the same over-the-air performance of the
> > Pro. If you are willing to spend $400-$500 then you should definitely
> > spring for the extra dollars if you possibly can and go for the SCS
unit.
> > If you have any interest at all in HF data communications then the
> > performance difference between Pactor I and Pactor II/III is night and
day.
> > The PTC-IIe can also do HF/VHF packet but if packet is your primary
> > interest then the KAM implementation is much more fully featured then
the
> > SCS (i.e. has APRS features, etc.).
> >
> > So, the standard 'what do you want to do' question really does apply...
if
> > your interest is primarily HF data then there is no question but to go
for
> > the SCS unit if you can. If you are really into the packet/APRS scene
then
> > you might want a more fully-featured packet TNC, but even then I would
> > suggest getting the SCS unit and then just picking up an old $50 TNC off
of
> > the swap group for APRS. Just one opinion.
> >
> > - Seth
> >
> >
> >
> > John wrote:
> >
> > > Hi,
> > >

> > > I'm ready to plunk down some coin on an awesome TNC. I was really
> > > close to buying an SCS PTC-II, but $1000 is just a little steep for
> > > me.
> > >
> > > I am having a hard time deciding between the popular TNCs. I think the
> > > KAM XL looks like the best HF/VHF/UHF model around. At $380 it's
> > > cheaper than the KAM '98. Why is that? It seems like the XL does more.
> > >
> > > Should I be considering the Timewave or MFJ products.
> > >
> > > I know the standard question is: What do you want to do? Well I want
> > > to be *able* to do anything so I don't mind spending good money to get
> > > a good box.
> > >
> > > Thanks for your advice! I really do appreciate it.
> > >
> > > John

1898. Re: RadioShack Equipment

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-07 04:17:23 UTC
From: Chetan Bhargava <no-spam@spamcop.net>
Message-ID: <albufk$2i64$1@news.mainstreet.net>
Source record: 5422

Thanks people. I appreciate your comments. I bought the HTX-212 :-)

"Chetan Bhargava" <> wrote in message
news:al6hmt$2s06$1@news.mainstreet.net...
> Hi,
>
> I'm planning to buy a starter 2m mobile. How good are Radio Shack 2m
> mobiles? I have two options
> 1. RadioShack HTX-212
> 2. Kenwood TM-201B
> 3. RadioShack HTX-242
>
> I guess Kenwood has low RF output.
>
> Thanks.
>
> Chet
>
>

1899. Re: Plug-n-play data comms (was Re: Another thought about 802.11b operated under Part 97)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-07 09:23:20 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <cAje9.3021$OW7.651047021@newssvr12.news.prodigy.com>
Source record: 5423

"Dana H. Myers" <dana@dioxine.com> wrote in message
news:3D7951CD.4040602@dioxine.com...
>
> Well then. What should have been a technical discussion
> turns into blatant attack on my character.
>

Attack on your "character"? Not at all!

I just think you are lying about your alleged setup. You claimed to have done something, then could not come up with decent information as to how you set it up, with what equipment, obtained where and for how much. It's a familiar pattern of behavior among the group of "hams" you tend to run with. Vapor systems are described in glowing terms, in the hope that someone with more on the ball will actually work it out for you.

I may have been unfair though... Your strange inability to come up with any detailed information about your own "setup" may stem from gross stupidity, rather than the dishonesty that is so common among your group.

It is true that I listen to what other hams in other places say about packet radio. I have found that the ones who actually accomplish things have no difficulty describing their setup, their equipment, and where that equipment is available at what price. You appear to be having a little difficulty in that department.

Charles, N5PVL

1900. Re: Is KAM XL Best TNC for $400-$500?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-07 14:51:32 UTC
From: johnfofawn@hotmail.com
Message-ID: <d89364bd.0209070651.1dc1e7d8@posting.google.com>
Source record: 5424

> In an earlier post, you mentioned only being interested in HF packet. For
> that, the KAM and PK-232 are both "overkill", needlessly expensive.

I must have mis-stated myself. I am primarily interested in HF, but I
would also like to be able to do VHF/UHF in the same box (assuming
that's a reasonable request).

> MFJ 1270c packet TNC costs around 125 bucks, will do 300 baud packet, which
> is what is legal for that mode on HF. You can usually find one used, of
> course, for much less. Check out E-bay, see if there's one there.

I know it might sound stupid, but I'm really not trying to save money.
I've been frustrated with digital modes in the past and I think the
problem was that I tried to save money by putting together a hokey
setup. This time around I want to spend some good money (even if it's
on features I'm not likily to use right away) so that I won't be
constrained by hardware in the near future.

> The reason that the PACTOR II and PACTOR III is mentioned, is that the
> throughput is MANY times higher than can be obtained with 300 baud packet. -
> You can do more with it, faster. Also, because of its slowness, HF packet is
> falling out of use. There are still stations out there, but not nearly as
> many as in former times.

Maybe I should give more consideration to the SCS box. I'll think
about it some more.

> To get back to your question, I like the PK-232 better because I have known
> hams who had reliability problems with KAMS, but have not heard so many
> stories about PK-232's. (There's always SOMEBODY who has a problem, of
> course, with anything.) One ham I know had a defunct KAM that took over 18
> months of hassling back and forth with Kantronics to get it functioning
> again.

Good to know. Thanks.

> The PK-232 also has an automatic signal indentification mode that I found to
> be very interesting, as it allowed me to "listen in" on commercial, (some)
> government, and news service transmissions in various digital modes that
> other controllers do not copy. If you are not interested in this sort of
> thing though, the feature would be a moot point.

This is VERY interesting to me. Is the PK-232 the only box with this
sort of capability? I very much look forward to trying to figure out
what signals I hear in HF -- amateur and non-amateur. I want to
understand what all the warbles are.

> Another feature that you may not care about is the PJK-232's ability to do
> the soundcard "thing". You have said that soundcard stuff does not interest
> you, but I thought I'd mention it anyway.

Like I said above, even though I'm not interested in soundcard stuff
now, if I can buy one modem instead of another and get this feature
then I want this feature. That way if I change my mind later I won't
be constrained by the hardware.

I really do appreciate all your help!

John

1901. Re: Plug-n-play data comms

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-07 16:35:21 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <dVpe9.98095$Hu2.7792@news1.central.cox.net>
Source record: 5425

The problem, as I see it, is that computer wireless equipment is changing almost weekly. The $65 magnesium/aluminum cast parabolic antennas, with high quality coax, etc, are now 3 times that cost. Originally designed for higher quality dish-TV installations, the price went through the roof when internet wireless customers started buying them. I bought four for $65 each, on one week, and the price was $120 each the next, then I saw them go to $199, and that was the end of cheap plug-n-play antennas. You have to build them now, because cheap can no longer be applied to these antennas. Note, you can buy a lot of antennas that have the name 21 dB attached to them, but they are not cast antennas, and they will not meet the spec after even a few days out in the elements.

The same goes for wireless cards. You have to make a spread-sheet to track all the prices, and these change weekly.

If I gave you a list of plug-n-play components to create a wireless link of say 10 km, it would be out of date in a week, and you'd probably complain that it was bogus information, which would be true very quickly.

The other point is total cost. Don't kid yourself. Computer wireless is not for the cheap customer. You will spend over $1200 per node that attempts to link two networks over 5 to 10 miles. That's connectors, coax, roof tripod, antenna, inverter, and computer wireless card. An Omni station will be much cheaper, but don't expect coverage over a mile. This is what you see a lot of people putting up. They stick a big omni on the roof and call that a free network. Come and play! Sorry, unless you are in the neighborhood, there is no convenience in that, and cities cover many square miles. Not to mention that this is prohibited by most ISP contracts.

I admit that a lot of these people are kids. Pringle-can antennas, and wireless sharing, are about the same excitement levels as when we used walkie talkies in the 60's.

I think you can raise the power level, but you can't raise the information level to an equal value. I use digital modes in Ham radio because they are fun, not because they allow me to become a network trunk, or provide an email service to the cities poor.

Packet radio was all about communicating. People still love to chat using APRS. My personal feeling was, that the BBS competed with the people who just wanted to keyboard, and finally consumed all the bandwidth. Once the keyboard people left packet, there was no

longer any customers for the BBS, and the whole system collapsed.

APRS, on the other hand, allows keyboard chat nation-wide, and
there is no threat of a bandwidth consumption mode being mixed-in.

"charlesb" <n5pvl@sbcglobal.net> wrote
>
> It's a
> familiar pattern of behavior among the group of "hams" you tend to run
with.
> Vapor systems are described in glowing terms, in the hope that someone
with
> more on the ball will actually work it out for you.

1902. Re: Plug-n-play data comms

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-07 17:57:18 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <26re9.3074$iB1.690008120@newssvr12.news.prodigy.com>
Source record: 5426

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:dVpe9.98095$Hu2.7792@news1.central.cox.net...
> The problem, as I see it, is that computer wireless equipment is
> changing almost weekly. The $65 magnesium/aluminum cast
> parabolic antennas, with high quality coax, etc, are now 3 times
> that cost.

That situation won't last. Increased demand drove up the price, while manufacturers gear up to mass-produce what was formerly specialty items. Once the present demand is met, we can reasonably expect prices to to take a dramatic plunge. - And the stuff will almost certainly work better than what we have now.

Maybe it won't work out that way, but I'd really be surprised. Might take a year or so, maybe two.

Charles, N5PVL

1903. Re: Plug-n-play data comms

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-07 18:00:03 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <D8re9.16385$jG2.1187882@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5427

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:dVpe9.98095$Hu2.7792@news1.central.cox.net...

<deletia>

> If I gave you a list of plug-n-play components to create a wireless
> link of say 10 km, it would be out of date in a week, and you'd
> probably complain that it was bogus information, which would be
> true very quickly.

<deletia>

The question was:
"Tell us about your Ham Station.
What gear does it run on 2.4 GHz digital."

Your post dodged the question and provided only the usual obfuscation.
Do you have gear on air? If so, tell us about it.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1904. Re: Plug-n-play data comms

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-07 18:30:04 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <MAre9.98791$Hu2.57630@news1.central.cox.net>
Source record: 5428

Oh, I thought the message was about providing a
list of plug-n-play equipment, and dealers, in order
to get on the air quickly and cheaply.

"Hank Oredson" <horedson@att.net> wrote
>
> The question was:
> "Tell us about your Ham Station.
> What gear does it run on 2.4 GHz digital."

1905. APRS Questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-08 03:57:16 UTC
From: Felix <felix@risny.com>
Message-ID: <wUze9.1664$io.430@nwrddc03.gnilink.net>
Source record: 5429

Hi,
I am interested in APRS, and I bought a TinyTrakII to use with my radio. I have a few question...first are the signals on 144.390 coming from a repeater, or are these simplex? I read somewhere to set your TinyTrak to RELAY,WIDE,WIDE to work through a digipeater, what exactly does that mean? How do you operate digipeater?

Thank you very much,
Felix

1906. Firmware upgrades for KPC3?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-08 04:28:05 UTC
From: Rick and Theresa <n6cy@earthlink.net>
Message-ID: <plAe9.14626$6i4.1179328@newsread1.prod.itd.earthlink.net>
Source record: 5430

Are firmware upgrades for Kantronics KPC3 available? I have a KPC3 with version 5 right now.

TIA, Rick N6CY

1907. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-08 04:49:02 UTC
From: "Dana H. Myers" <dana@dioxine.net>
Message-ID: <3D7AD6CB.408@dioxine.net>
Source record: 5431

Hank Oredson wrote:

> It seems hard for folks to understand my question.
> Don't know how to make it more simple.
> I am looking for plug and play solutions.

802.11b is exactly that. What did you not understand
from what I wrote?

It could hardly be less plug-n-play. I've done it for
a 12-mile link so far that runs 11mb/s 24 hours a day,
7 days a week. I listed the components and pointed you
at two of many sources for these parts.

>. The question they asked me was "Can we
> buy something different than the above list of gear and get faster links."

The answer is yes and you seemed to dismiss it.
Did I waste my time answering your question in good
faith?

> I gave them pointers to PacComm and Symek long ago,
> since those are known working plug and play solutions.
> They may buy some of that gear for test links.
>
> So I asked here about T1 data rate.
> Got the answer after much pushing and shoving: nothing is available.

I don't know how you turned "can order it today" into
nothing available. I didn't even begin to mention the
high-end license-free radios from Western Multiplex.

>
> "One might" or "One could" is not an interesting answer.
> "I built one link" is not an interesting answer.

Oh, I see. The fact that I've done it doesn't count
because I can't give you ready-made configuration for
your friends? I guess doing it successfully means
nothing, I must have been lucky or something?. I could
do it again, to at least 20 miles with no trouble, and
when the need presents itself, I know what to do.

That's a far cry from "nothing is available".

> "We did" along with "We used this gear" and "We have 10
> links working in a network" would be an interesting answer.

I told you which gear is in use and where to buy it and exactly how to hook it up. If that's not enough for some other *ham operators*, then they'd better be willing to pony up some consulting dollars if they can't fill in blanks themselves. Isn't that what amateur radio is all about? Ingenuity and skill? Figuring out how to hook up radio gear is something ham operators ought to be able to do - certainly plenty of non-hams are successfully doing it as well.

Never mind.

Dana K6JQ
dana@dioxine.net

1908. Oops... Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-08 04:58:18 UTC
From: "Dana H. Myers" <dana@dioxine.net>
Message-ID: <3D7AD8F7.6040407@dioxine.net>
Source record: 5432

Dana H. Myers wrote:

> 802.11b is exactly that. What did you not understand
> from what I wrote?
>
> It could hardly be less plug-n-play. I've done it for
> a 12-mile link so far that runs 11mb/s 24 hours a day,
> 7 days a week. I listed the components and pointed you
> at two of many sources for these parts.

Of course, I meant to write "hardly be more plug-n-play".

Too many hours shoveling compost and tilling my rock-hard
backyard today ;-)

Dana K6JQ
dana@dioxine.net

1909. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-08 05:08:51 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <DXAe9.3376$1C2.321945@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5433

"Dana H. Myers" <dana@dioxine.net> wrote in message
news:3D7AD6CB.408@dioxine.net...

<deletia>

> > "One might" or "One could" is not an interesting answer.
> > "I built one link" is not an interesting answer.
>
> Oh, I see. The fact that I've done it doesn't count
> because I can't give you ready-made configuration for
> your friends? I guess doing it successfully means
> nothing, I must have been lucky or something?. I could
> do it again, to at least 20 miles with no trouble, and
> when the need presents itself, I know what to do.

It doesn't count because you cannot give me the configuration
you are running. How in blue blazes can I duplicate what
you have if you refuse to tell me what it is! "You have a nice
signal here OM on my ... oh darn, I cannot remember the
make or model of this radio, but it works real well."

Here's your sign.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1910. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-08 06:04:20 UTC
From: "Dana H. Myers" <dana@dioxine.net>
Message-ID: <3D7AE871.8050709@dioxine.net>
Source record: 5434

Hank Oredson wrote:
> "Dana H. Myers" <dana@dioxine.net> wrote in message
> news:3D7AD6CB.408@dioxine.net...
>
> <deletia>
>
>>>"One might" or "One could" is not an interesting answer.
>>>"I built one link" is not an interesting answer.
>>
>>Oh, I see. The fact that I've done it doesn't count
>>because I can't give you ready-made configuration for
>>your friends? I guess doing it successfully means
>>nothing, I must have been lucky or something?. I could
>>do it again, to at least 20 miles with no trouble, and
>>when the need presents itself, I know what to do.
>
>
> It doesn't count because you cannot give me the configuration
> you are running. How in blue blazes can I duplicate what
> you have if you refuse to tell me what it is! "You have a nice
> signal here OM on my ... oh darn, I cannot remember the
> make or model of this radio, but it works real well."
>
> Here's your sign.

Well, I thought I had, Hank, I thought I had...

Don't you remember "Here's how to do it?" Neither you or
Charles seem to want to recognize the existance of that
newsgroup note, Charles is calling me an outright liar
and/or stupid, meanwhile he's repeating links to equipment
he's never even seen, less actually used. Darn it, kids,
this stuff is real and I'm using it right this minute!

Here's the list in bullet form - you have no further excuse
to act as if I hadn't posted it (twice now!!).

- Lucent/Orinoco PC-Card (bought online, can't remember which vendor)
- Pigtail adapter from Lucent antenna connector to N-connector (eBay, also from other vendors)
- YDI 500mW amplifier (include DC-injector) (YDI; could use 1W in Part 97 service)
- LMR400 and N-connectors as required to reach antenna (can order out of QST ads)
- 24 dBi mag grid (same as that sold by YDI, mine was from another vendor)

That's what I used to get a 12 mile link running at a stable 11mb/s.

OK, are you yet satisfied? Or did you not read the email in which I described all this before declaring it "not interesting" ? Do you need to a photo or two of an antenna to appreciate it? Heavens. I can't mask my frustration that this has been difficult to understand.

At this point, if someone can't figure out how to reproduce this link, then they're clearly not up to the standard I'll spend my hobby time with. When someone asks me for "help", that doesn't mean me doing their hobby for them.

However, I know more than a few people that make their living designing, installing and maintaining high-speed links using license-free Western Multiplex radios, though they're much more expensive.

Dana K6JQ
dana@dioxine.net

CCed via email so you won't miss this on the newsgroup.

1911. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-08 06:07:20 UTC
From: "Dana H. Myers" <k6jq@pvbb.net>
Message-ID: <3D7AE925.1050807@pvbb.net>
Source record: 5435

Hank Oredson wrote:
> "Dana H. Myers" <dana@dioxine.net> wrote in message
> news:3D7AD6CB.408@dioxine.net...
>
> <deletia>
>
>>>"One might" or "One could" is not an interesting answer.
>>>"I built one link" is not an interesting answer.
>>
>>Oh, I see. The fact that I've done it doesn't count
>>because I can't give you ready-made configuration for
>>your friends? I guess doing it successfully means
>>nothing, I must have been lucky or something?. I could
>>do it again, to at least 20 miles with no trouble, and
>>when the need presents itself, I know what to do.
>
>
> It doesn't count because you cannot give me the configuration
> you are running. How in blue blazes can I duplicate what
> you have if you refuse to tell me what it is! "You have a nice
> signal here OM on my ... oh darn, I cannot remember the
> make or model of this radio, but it works real well."
>
> Here's your sign.

Well, I thought I had, Hank, I thought I had...

Don't you remember "Here's how to do it?" Neither you or
Charles seem to want to recognize the existance of that
newsgroup note, Charles is calling me an outright liar
and/or stupid, meanwhile he's repeating links to equipment
he's never even seen, less actually used. Darn it, kids,
this stuff is real and I'm using it right this minute!

Here's the list in bullet form - you have no further excuse
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- Pigtail adapter from Lucent antenna connector to N-connector (eBay, also from other vendors)
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- 24 dBi mag grid (same as that sold by YDI, mine was from another vendor)

That's what I used to get a 12 mile link running at a stable 11mb/s.

OK, are you yet satisfied? Or did you not read the email in which I described all this before declaring it "not interesting" ? Do you need to a photo or two of an antenna to appreciate it? Heavens. I can't mask my frustration that this has been difficult to understand.

At this point, if someone can't figure out how to reproduce this link, then they're clearly not up to the standard I'll spend my hobby time with. When someone asks me for "help", that doesn't mean me doing their hobby for them.

However, I know more than a few people that make their living designing, installing and maintaining high-speed links using license-free Western Multiplex radios, though they're much more expensive.

Dana K6JQ
dana@dioxine.net

CCed via email so you won't miss this on the newsgroup.

1912. Re:Firmware upgrades for KPC3?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-08 08:13:00 UTC
From: g3tmh@gb7abc.net
Message-ID: <g3tmh000130@hamradio>
Source record: 5442

>Are firmware upgrades for Kantronics KPC3 available? I have a KPC3 with
>version 5 right now.
>
>TIA, Rick N6CY
>
>

Yes I got an upgrade from kantronics of version 8 a long time back.

--

Ken <g3tmh@gb7abc.net>.
For remote servers list
e-mail help@gb7abc.freeserve.co.uk
Web site. http://www.gb7abc.net

1913. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-08 08:46:04 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <g7Ee9.101922$Hu2.87119@news1.central.cox.net>
Source record: 5436

What do you do with this link?

Does this connect up to a vocoder or other Ham radio digital
interface?

"Dana H. Myers" <k6jq@pvbb.net> wrote
>
> - Lucent/Orinoco PC-Card (bought online, can't remember which vendor)
> - Pigtail adapter from Lucent antenna connector to N-connector (eBay, also
from other vendors)
> - YDI 500mW amplifier (include DC-injector) (YDI; could use 1W in Part 97
service)
> - LMR400 and N-connectors as required to reach antenna (can order out of
QST ads)
> - 24 dBi mag grid (same as that sold by YDI, mine was from another vendor)

1914. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-08 09:09:53 UTC
From: Russell Hltn <reply@2newsgroup.com>
Message-ID: <alf6f6bml1@nntp-m01.news.aol.com>
Source record: 5437
Body handling: HTML body converted to readable text

I suspect the real reason for the ban on encryption is to insure that the messages are allowable in ham radio service and that you're not running a commercial service.

"B. Smith" wrote in message news:Wx8e9.182$95.3780@news.ou.edu...
>
> The intent of the law is to prevent hams from conducting secret
> communications that could be used to subvert the federal power
> over the citizens.
>

1915. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-08 10:38:19 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <188mnuggbmld012udf4mgome2slcs1bqlu@4ax.com>
Source record: 5438
Body handling: HTML body converted to readable text

On Sat, 7 Sep 2002 23:09:53 -1000, "Russell Hltn"
wrote:

>"B. Smith" wrote in message
>news:Wx8e9.182$95.3780@news.ou.edu...
>>
>> The intent of the law is to prevent hams from conducting secret
>> communications that could be used to subvert the federal power
>> over the citizens.

>I suspect the real reason for the ban on encryption is to insure that
>the messages are allowable in ham radio service and that you're not
>running a commercial service.

This is a much more likely explanation and very much in line with the
international third party rules in ITU-R Radio Regulations as well as
higher license requirements to become a ham on HF than on VHF/UHF.

In the old days, when in most countries the national PTT had the
monopoly of all long distance and international telephone traffic, it
appears that the PTTs feared that the amateurs might circumvent the
PTT monopoly, since I can not find any other rational explanations for
some rules in the ITU-R RR.

Paul OH3LWR

1916. PSK31 Questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-08 10:43:23 UTC
From: Sidevalve <Sabbatai_zvi@hotmail.com>
Message-ID: <b7amnukurn0rioalmb46bq5kfr6a2dvjpv@4ax.com>
Source record: 5440
Cross-posted to: rec.radio.amateur.digital,rec.radio.amateur.digital.misc

Hi - are there any PSK31 usres here that would like to discuss band plans, where you operate on HF etc.

I am interested to make contacts on bands OTHER than 14.070 MHz.

Also, I would like to know what OTHER modes you are using with a PC soundcard and interface, that are popular enough that you can actually find other guys to make CONTACTS with on the HF bands.

Many thanks for any replies / discussion.

AF4K

- - -
Commyanism is the woyste thing I evah hoyde - Robin Williams

1917. Re: Firmware upgrades for KPC3?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-08 10:55:04 UTC
From: "James R. DeLoach" <jasd-49X@attbi.com>
Message-ID: <mvamnucfts50eiuua7jflcf7j1uds9p729@4ax.com>
Source record: 5439

On Sun, 08 Sep 2002 04:28:05 GMT, "Rick and Theresa"
<n6cy@earthlink.net> wrote:

>Are firmware upgrades for Kantronics KPC3 available? I have a KPC3 with
>version 5 right now.
>
>TIA, Rick N6CY
>
Yes, I think the latest is ver. 8.2 from Kantronics.
It will cost about $60.

Regards,

James

Note: To reply by email, remove the "X" in the reply to address.

1918. PSK31 other than on 20M?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-08 11:33:53 UTC
From: cprstn54zz@att.net
Message-ID: <3d7b3354.81548187@news-server.optonline.net>
Source record: 5441

I keep listening for PSK31 at night on 10M, 40M, 80M and 160M to no avail. Nada. I am in NY and hear all kinds of DX on my FT990 and multiband dipole with MFJ-986 tuner. Have the calling frequencies moved? I am using the frequencies (MHz) on Buck's page:

10M = 28.12015
40M = 7.03515
80M = 3.58015
160M = 1.83815

Ken KC2JDY

Ken
(to reply via email
remove "zz" from address)

1919. Kenwwod TM-D700 serial connection

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-08 14:13:49 UTC
From: Alain Reid <ferme.coveyhill@sympatico.ca>
Message-ID: <BWIe9.65$RG2.44323@news20.bellglobal.com>
Source record: 5443

Good morning folks,

Could somebody tell me what type of RS-232 serial cable is required to work with the TM-D700 and a computer?

Is it a 1) null modem cable, 2) a straight through cable or a 3) laplink cable?

A detailed answer woulb be very much appreciated.

Thank you

AR

1920. Re: Re:Firmware upgrades for KPC3?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-08 14:25:14 UTC
From: Rick and Theresa <n6cy@earthlink.net>
Message-ID: <e5Je9.15164$6i4.1239462@newsread1.prod.itd.earthlink.net>
Source record: 5444

Many thanks. I went to their web page and didn't see anything in particular addressing firmware upgrades so have an email outstanding with them.

Have a great day.
Rick N6CY San Diego CA
<g3tmh@gb7abc.net> wrote in message news:g3tmh000130@hamradio...
> >Are firmware upgrades for Kantronics KPC3 available? I have a KPC3 with
> >version 5 right now.
> >
> >TIA, Rick N6CY
> >
> >
>
> Yes I got an upgrade from kantronics of version 8 a long time back.
>
>
>
> --
>
> Ken <g3tmh@gb7abc.net>.
> For remote servers list
> e-mail help@gb7abc.freeserve.co.uk
> Web site. http://www.gb7abc.net
>

1921. Re: Firmware upgrades for KPC3?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-08 14:40:37 UTC
From: Andy KC2SSB <vhfradiobuff@yahoo.com>
Message-ID: <7aomnushaq9ml291h19cafnjtr1149t234@4ax.com>
Source record: 5445

On Sun, 08 Sep 2002 04:28:05 GMT, "Rick and Theresa"
<n6cy@earthlink.net> wrote:

>Are firmware upgrades for Kantronics KPC3 available? I have a KPC3 with
>version 5 right now.
>
>TIA, Rick N6CY

How do you find out what version you have? Also, if you get an update,
how do you update your TNC? I've also got the KPC-3.
=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Beachwood, NJ USA Grid FM29vw
http://vhfradiobuff.tripod.com

1922. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-08 15:07:20 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <IIJe9.4029$1C2.360284@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5446

"Dana H. Myers" <dana@dioxine.net> wrote in message
news:3D7AE871.8050709@dioxine.net...

> Don't you remember "Here's how to do it?" Neither you or
> Charles seem to want to recognize the existance of that
> newsgroup note, Charles is calling me an outright liar
> and/or stupid, meanwhile he's repeating links to equipment
> he's never even seen, less actually used. Darn it, kids,
> this stuff is real and I'm using it right this minute!
>
> Here's the list in bullet form - you have no further excuse
> to act as if I hadn't posted it (twice now!!).
>
> - Lucent/Orinoco PC-Card (bought online, can't remember which vendor)

Which one do you have?
There appear to be several flavors of this card.
What software do you use to run AX.25 across the link?
Which operating system?

> - Pigtail adapter from Lucent antenna connector to N-connector (eBay, also
from other vendors)

Sounds reasonable.
Would depend on the card, right?

> - YDI 500mW amplifier (include DC-injector) (YDI; could use 1W in Part 97
service)

Which module do you use?

> - LMR400 and N-connectors as required to reach antenna (can order out of QST
ads)

> - 24 dBi mag grid (same as that sold by YDI, mine was from another vendor)

What vendor? Which model do you have?

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1923. Re: Re:Firmware upgrades for KPC3?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-08 15:10:57 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <5MJe9.4033$1C2.360239@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5447

Click on accessories, scroll down a bit, the EPROM
is there. Current version is 8.2, price is US $59.95.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"Rick and Theresa" <n6cy@earthlink.net> wrote in message
news:e5Je9.15164$6i4.1239462@newsread1.prod.itd.earthlink.net...
> Many thanks. I went to their web page and didn't see anything in particular
> addressing firmware upgrades so have an email outstanding with them.
>
> Have a great day.
> Rick N6CY San Diego CA
> <g3tmh@gb7abc.net> wrote in message news:g3tmh000130@hamradio...
> > >Are firmware upgrades for Kantronics KPC3 available? I have a KPC3 with
> > >version 5 right now.
> > >
> > >TIA, Rick N6CY
> > >
> > >
> >
> > Yes I got an upgrade from kantronics of version 8 a long time back.
> >
> >
> >
> > --
> >
> > Ken <g3tmh@gb7abc.net>.
> > For remote servers list
> > e-mail help@gb7abc.freeserve.co.uk
> > Web site. http://www.gb7abc.net
> >
>
>

1924. Re: PSK31 other than on 20M?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-08 15:17:02 UTC
From: ebruchac@aol.comnojunk
Message-ID: <20020908111702.13495.00002062@mb-cn.aol.com>
Source record: 5448

The correct 40M PSK freq.,for the Americas,is 7.070--good stateside contacts nights.
30M=10.137.5--occasional activity
15M=21.070----good ,when bands are open
The bands haven't been particularly good,lately,and PSK activity is a little harder to copy.
73,
Ed N4ZUM

Remove the,"nojunk" to email.

"A Picture is Worth a Thousand Words...but uses a thousand times more memory."

1925. Re: PSK31 Questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-08 15:20:14 UTC
From: "R. Scott" <washingtonham@yahoo.com>
Message-ID: <3D7B6AFD.8C933A95@yahoo.com>
Source record: 5449
Cross-posted to: rec.radio.amateur.digital,rec.radio.amateur.digital.misc

> I am interested to make contacts on bands OTHER than 14.070 MHz.

7.070
21.070
28.120

Find lots of us up at these frequencies. I prefer 10 but 15 has been the only one open as of late. 20 is kinda crowded at times. Ive not used RTTY with the sound card yet I use my trusty rusty KAM E. I have worked several that use the soundcard RTTY now.

Also with the interface you can work SSTV which Ive mostly watched, but so far but its fun to monitor and I may get brave one day.

Scotty N7HJ.

1926. Re: PSK31 Questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-08 17:34:18 UTC
From: Larry Gauthier - K8UT <larryg5099@chartermi.net>
Message-ID: <unn2gvso9cm223@corp.supernews.com>
Source record: 5450

10 meters was open into Central and South America today - lots of countries heard on PSK: Mexico, Panama, Honduras, Brazil, Chile around 28.120.

I also use my soundcard for RTTY, using the freeware program MMTTY.

-larry
K8UT

"Sidevalve" <Sabbatai_zvi@hotmail.com> wrote in message news:b7amnukurn0rioalmb46bq5kfr6a2dvjpv@4ax.com...
> Hi - are there any PSK31 usres here that would like to discuss band
> plans, where you operate on HF etc.
>
> I am interested to make contacts on bands OTHER than 14.070 MHz.
>
> Also, I would like to know what OTHER modes you are using with a PC
> soundcard and interface, that are popular enough that you can actually
> find other guys to make CONTACTS with on the HF bands.
>
> Many thanks for any replies / discussion.
>
> AF4K
>
> - - -
> Commyanism is the woyste thing I evah hoyde - Robin Williams

1927. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-08 17:41:50 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <yZLe9.107664$Hu2.22750@news1.central.cox.net>
Source record: 5351

Here's the one I use. I bought mine from a Ham dealer
for $65, so this $80 is probably inflation. It has the same
picture mine had. This is a cast antenna and very sturdy.
You can buy 6 and get a $5 discount per antenna. I bought
mine with the N male connector to plug into the amplifier
or lightning arrestor:

http://www.hyperlinktech.com/web/hg2424g.php

These are also popular on 2.4 GHz SSB.

"Hank Oredson" <horedson@att.net> wrote
> >
> > - 24 dBi mag grid (same as that sold by YDI, mine was from another vendor)
>
> What vendor? Which model do you have?

1928. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-08 20:36:37 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <pxOe9.4326$1C2.392566@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5352

Bookmarked. Thank you.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:yZLe9.107664$Hu2.22750@news1.central.cox.net...
> Here's the one I use. I bought mine from a Ham dealer
> for $65, so this $80 is probably inflation. It has the same
> picture mine had. This is a cast antenna and very sturdy.
> You can buy 6 and get a $5 discount per antenna. I bought
> mine with the N male connector to plug into the amplifier
> or lightning arrestor:
>
> http://www.hyperlinktech.com/web/hg2424g.php
>
> These are also popular on 2.4 GHz SSB.
>
> "Hank Oredson" <horedson@att.net> wrote
> > >
> > > - 24 dBi mag grid (same as that sold by YDI, mine was from another
vendor)
> >
> > What vendor? Which model do you have?
>
>
>

1929. Re: Firmware upgrades for KPC3?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-08 20:48:21 UTC
From: Rick and Theresa <n6cy@earthlink.net>
Message-ID: <pIOe9.15697$6i4.1286785@newsread1.prod.itd.earthlink.net>
Source record: 5353

The version comes up every time you start/restart the TNC.

I think the update is via new IC.

regards, Rick N6CY

"Andy KC2SSB" <vhfradiobuff@yahoo.com> wrote in message
news:7aomnushaq9ml291h19cafnjtr1149t234@4ax.com...
> On Sun, 08 Sep 2002 04:28:05 GMT, "Rick and Theresa"
> <n6cy@earthlink.net> wrote:
>
> >Are firmware upgrades for Kantronics KPC3 available? I have a KPC3 with
> >version 5 right now.
> >
> >TIA, Rick N6CY
>
> How do you find out what version you have? Also, if you get an update,
> how do you update your TNC? I've also got the KPC-3.
> =-
> 73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
> Beachwood, NJ USA Grid FM29vw
> http://vhfradiobuff.tripod.com
>

1930. Re: Kenwwod TM-D700 serial connection

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-08 20:55:00 UTC
From: "James R. DeLoach" <jasd-49X@attbi.com>
Message-ID: <88ennug1pajp5k3va6qid9qsd3o62ik304@4ax.com>
Source record: 5354

On Sun, 8 Sep 2002 10:13:49 -0400, "Alain Reid"
<ferme.coveyhill@sympatico.ca> wrote:

>Good morning folks,
>
>Could somebody tell me what type of RS-232 serial cable is required to work
>with the TM-D700 and a computer?
>
>Is it a 1) null modem cable, 2) a straight through cable or a 3) laplink
>cable?
>
>A detailed answer woulb be very much appreciated.
>
>Thank you
>
>AR
>
It is a straight thru cable.

Regards,

James

Note: To reply by email, remove the "X" in the reply to address.

1931. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-08 22:22:17 UTC
From: "Dana H. Myers" <dana@dioxine.net>
Message-ID: <3D7BCD8E.2030104@dioxine.net>
Source record: 5355

Hank Oredson wrote:
> "Dana H. Myers" <dana@dioxine.net> wrote in message
> news:3D7AE871.8050709@dioxine.net...
>
>
>>Don't you remember "Here's how to do it?" Neither you or
>>Charles seem to want to recognize the existance of that
>>newsgroup note, Charles is calling me an outright liar
>>and/or stupid, meanwhile he's repeating links to equipment
>>he's never even seen, less actually used. Darn it, kids,
>>this stuff is real and I'm using it right this minute!
>>
>>Here's the list in bullet form - you have no further excuse
>>to act as if I hadn't posted it (twice now!!).
>>
>>- Lucent/Orinoco PC-Card (bought online, can't remember which vendor)
>
>
> Which one do you have?

Lucent Orinoco Silver, but the specific card doesn't
matter, I've used the Gold flavor as well (which
only differs in that it offers 128-bit WEP).

> There appear to be several flavors of this card.

See above.

> What software do you use to run AX.25 across the link?

I'm not running AX.25 across the link. I'm not tunneling
AX.25 traffic. I suppose one could use the AXIP package
included in Linux - see
http://www.qsl.net/yo5ofh/doc/linux_ham_progs.htm for
more information. I suppose when I need it, I'll figure
out how to do it, but, until then, your friends will either
have to figure out themselves or pay a consultant.

> Which operating system?

Windows 9x, XP and Linux.

>>- Pigtail adapter from Lucent antenna connector to N-connector (eBay, also
>
> from other vendors)
>
> Sounds reasonable.

> Would depend on the card, right?

Right - which is the reason I mentioned the specific card. Other
cards use different pigtails, but since I haven't used them, I
did not mention them. Fact is, *any* 802.11b card with a matching
pigtail will work in this configuration.

>>- YDI 500mW amplifier (include DC-injector) (YDI; could use 1W in Part 97
>
> service)
>
> Which module do you use?

Uh, the 500mW amplifier. Lessee... oh, AMP2440. The 1W
amplifier, which I haven't used, is AMP2441.

>>- LMR400 and N-connectors as required to reach antenna (can order out of QST
>
> ads)
>
>
>>- 24 dBi mag grid (same as that sold by YDI, mine was from another vendor)
>
>
> What vendor? Which model do you have?

Pacific Wireless PAWDCA series DieCast Parabolic Grid Antenna;
$76 from FAB corp.

Enjoy.

Dana K6JQ
dana@dioxine.net

1932. Re: APRS Questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-08 22:33:08 UTC
From: "J. Duffy Beischel" <jduffy@zoomtown.com>
Message-ID: <3D7BD024.8080203@zoomtown.com>
Source record: 5356

Felix,

RELAY, WIDE, and TRACE and aliases (sp?) that digipeaters can be called. For instance my station has the call WB8NUT but also has the aliases of RELAY and TRACE. So if my station hears a packet addressed to RELAY, TRACE, or WB8NUT is will repeat it. The advantage is that when traveling, most every station in the APRS network is set up with the alias of RELAY. So as you go from city to city you don't have to reprogram the TTII with the call of a particular digipeater in that area. Makes it clean. Also, I would set the TT up as RELAY,WIDE,WIDE3 .

Home stations should be set to RELAY,WIDE as that would be fine.

Hope that helps. Oh, I have uploaded some pictures of the TTII's I built at the TTII group at yahoo groups.

Regards,

Duffy
www.wb8nut.com

Felix wrote:

>Hi,
>I am interested in APRS, and I bought a TinyTrakII to use with my radio. I
>have a few question...first are the signals on 144.390 coming from a
>repeater, or are these simplex? I read somewhere to set your TinyTrak to
>RELAY,WIDE,WIDE to work through a digipeater, what exactly does that mean?
>How do you operate digipeater?
>
>Thank you very much,
>Felix
>
>
>
>

1933. Re: RadioShack Equipment

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-08 22:34:35 UTC
From: "J. Duffy Beischel" <jduffy@zoomtown.com>
Message-ID: <3D7BD07B.4010807@zoomtown.com>
Source record: 5357

Get the Yaesu FT-1500 - $119 at R & L and it is 50 watts with more
features than the rat shack radio. I have been running that and a TTII
in the car for APRS (wb8nut-12).

Duffy
www.wb8nut.com

James Alexander wrote:

>Chetan Bhargava wrote:
>
>
>
>>Hi,
>>
>>I'm planning to buy a starter 2m mobile. How good are Radio Shack 2m
>>mobiles? I have two options
>>1. RadioShack HTX-212
>>2. Kenwood TM-201B
>>3. RadioShack HTX-242
>>
>>I guess Kenwood has low RF output.
>>
>>Thanks.
>>
>>Chet
>>
>>
>
>Hi Chet,
>
>I got the RS HTX-404, the 70cm version of the htx 202 handheld and found its
>not too bad. I got it on sale a few years ago. I've got no complaints about
>it. I've heard it was made for RS by another company (Icom? I cant remember
>for sure). A bit better that some of the other radio shack house brand stuff
>I've tried over the years.
>
>
>
>

1934. Re: RadioShack Equipment

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-08 23:05:57 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <pJQe9.108653$Hu2.96273@news1.central.cox.net>
Source record: 5358

I agree, the FT-1500 with its DIN jack, and simple features, is a
quality product, and works like a champ. The number of switch
options are small, and easy to remember.

"J. Duffy Beischel" <jduffy@zoomtown.com> wrote
> Get the Yaesu FT-1500 - $119 at R & L and it is 50 watts with more
> features than the rat shack radio. I have been running that and a TTII
> in the car for APRS (wb8nut-12).

1935. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-09 00:49:25 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <peSe9.18881$jG2.1368434@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5359

Thank you for the information, is saved and passed on.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"Dana H. Myers" <dana@dioxine.net> wrote in message
news:3D7BCD8E.2030104@dioxine.net...
>
>
> Hank Oredson wrote:
> > "Dana H. Myers" <dana@dioxine.net> wrote in message
> > news:3D7AE871.8050709@dioxine.net...
> >
> >
> > >>Don't you remember "Here's how to do it?" Neither you or
> > >>Charles seem to want to recognize the existance of that
> > >>newsgroup note, Charles is calling me an outright liar
> > >>and/or stupid, meanwhile he's repeating links to equipment
> > >>he's never even seen, less actually used. Darn it, kids,
> > >>this stuff is real and I'm using it right this minute!
> > >>
> > >>Here's the list in bullet form - you have no further excuse
> > >>to act as if I hadn't posted it (twice now!!).
> > >>
> > >>- Lucent/Orinoco PC-Card (bought online, can't remember which vendor)
> >
> >
> > > Which one do you have?
>
> Lucent Orinoco Silver, but the specific card doesn't
> matter, I've used the Gold flavor as well (which
> only differs in that it offers 128-bit WEP).
>
> > There appear to be several flavors of this card.
>
> See above.
>
> > What software do you use to run AX.25 across the link?
>
> I'm not running AX.25 across the link. I'm not tunneling
> AX.25 traffic. I suppose one could use the AXIP package

> included in Linux - see
> http://www.qsl.net/yo5ofh/doc/linux_ham_progs.htm for
> more information. I suppose when I need it, I'll figure
> out how to do it, but, until then, your friends will either
> have to figure out themselves or pay a consultant.
>
> > Which operating system?
>
> Windows 9x, XP and Linux.
>
> >>- Pigtail adapter from Lucent antenna connector to N-connector (eBay, also
> >
> > from other vendors)
> >
> > Sounds reasonable.
> > Would depend on the card, right?
>
> Right - which is the reason I mentioned the specific card. Other
> cards use different pigtails, but since I haven't used them, I
> did not mention them. Fact is, *any* 802.11b card with a matching
> pigtail will work in this configuration.
>
> >>- YDI 500mW amplifier (include DC-injector) (YDI; could use 1W in Part 97
> >
> > service)
> >
> > Which module do you use?
>
> Uh, the 500mW amplifier. Lessee... oh, AMP2440. The 1W
> amplifier, which I haven't used, is AMP2441.
>
> >>- LMR400 and N-connectors as required to reach antenna (can order out of
QST
> >
> > ads)
> >
> >
> >>- 24 dBi mag grid (same as that sold by YDI, mine was from another vendor)
> >
> >
> > What vendor? Which model do you have?
>
> Pacific Wireless PAWDCA series DieCast Parabolic Grid Antenna;
> $76 from FAB corp.
>
> Enjoy.
>
> Dana K6JQ
> dana@dioxine.net
>

1936. Re: RadioShack Equipment

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-09 02:22:29 UTC
From: "Dana H. Myers" <dana@dioxine.net>
Message-ID: <3D7C05EB.80702@dioxine.net>
Source record: 5360

Steve, K5OKC wrote:
> I agree, the FT-1500 with its DIN jack, and simple features, is a
> quality product, and works like a champ. The number of switch
> options are small, and easy to remember.

I second the recommendation of the FT-1500; Yaesu seems to have
standardized on a 6-pin mini-DIN (as you note) across the VHF/UHF
capable products (including the FT-847). I made a fairly nice
cable for my FT-847 using a PS/2 keyboard extension - I suppose
one could also cannibalize a PS/2-style keyboard for the cable.
See my description at http://www.dioxine.net/~dana/ft847_pkt.html
if interested.

My FT-8100 has been generally very good with two glaring issues;
earlier production of the radio had an issue with the volume/squelch
controls breaking off the PCB, and, with the remote control head, RF
can get into the control link and scramble the radio. The volume/squelch
control issue was addressed by Yaesu, they glop a drop of hot-melt onto
the control to keep it from loosening up and moving around, which causes
it to break free of the PCB traces. Otherwise, the radio has worked
quite well for me, and it features that mini-DIN packet connector and
worked plug-n-play when I swapped it with the FT-847 once.

The FT-1500, at $120, sounds like a really good deal to me on the
surface.

Dana K6JQ
dana@dioxine.net

> "J. Duffy Beischel" <jduffy@zoomtown.com> wrote
>
>>Get the Yaesu FT-1500 - $119 at R & L and it is 50 watts with more
>>features than the rat shack radio. I have been running that and a TTII
>>in the car for APRS (wb8nut-12).

1937. Re: RadioShack Equipment

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-09 02:34:15 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <HMTe9.109484$Hu2.79526@news1.central.cox.net>
Source record: 5361

"Dana H. Myers" <dana@dioxine.net> wrote
> Steve, K5OKC wrote:
> > I agree, the FT-1500 with its DIN jack, and simple features, is a
> > quality product, and works like a champ. The number of switch
> > options are small, and easy to remember.
>
> I second the recommendation of the FT-1500; Yaesu seems to have
> standardized on a 6-pin mini-DIN (as you note) across the VHF/UHF
> capable products (including the FT-847). I made a fairly nice
> cable for my FT-847 using a PS/2 keyboard extension - I suppose
> one could also cannibalize a PS/2-style keyboard for the cable.
> See my description at http://www.dioxine.net/~dana/ft847_pkt.html
> if interested.
>
> My FT-8100 has been generally very good with two glaring issues;
> earlier production of the radio had an issue with the volume/squelch
> controls breaking off the PCB, and, with the remote control head, RF
> can get into the control link and scramble the radio. The volume/squelch
> control issue was addressed by Yaesu, they glop a drop of hot-melt onto
> the control to keep it from loosening up and moving around, which causes
> it to break free of the PCB traces. Otherwise, the radio has worked
> quite well for me, and it features that mini-DIN packet connector and
> worked plug-n-play when I swapped it with the FT-847 once.
>
> The FT-1500, at $120, sounds like a really good deal to me on the
> surface.

One thing I might add on the FT-1500, is that I never leave it in the
car, and after taking it out, you have to hold it by the power cord,
unless you want to receive second-degree burns. Sucker get's hot!

1938. Re: RadioShack Equipment

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-09 03:06:42 UTC
From: "Dana H. Myers" <dana@dioxine.net>
Message-ID: <3D7C1048.2010409@dioxine.net>
Source record: 5362

Steve, K5OKC wrote:

> One thing I might add on the FT-1500, is that I never leave it in the
> car, and after taking it out, you have to hold it by the power cord,
> unless you want to receive second-degree burns. Sucker get's hot!

The single-piece cast chassis radios seem to all encounter this;
my old Icom IC-2000H (which was also decent but loses to the FT-1500
big time, from what I can tell) was exactly the same. One big casting
that serves as an integral heatsink, bolted to a 50W hybrid PA...

;-)

Dana K6JQ
dana@dioxine.net

1939. Re: TCP/IP IN SACRAMENTO

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-09 03:47:19 UTC
From: "Ed G." <Spectrumhog@_REMOVE_StarBand.net>
Message-ID: <Xns9283D3A627BDAFrog207Junocom@148.78.248.76>
Source record: 5363

>
> Does anyone know the frequencies currently in use (active) for TCP/IP
> in the Sacramento area.
>
> I have found none of the NCPA frequencies active in the area and am
> interested to know if anyone is currently using the mode.

I pulled the Columbia (Sonora) hilltop two years ago. For a couple years prior to that all it carried was one hilltop talking to another, with next to no user traffic. I notified the Central Valley Digital Radio Assn at that time. I figured after two years being down and no complaints, I could safely get rid of the equipment. I never did hear from anyone on its removal.

Ed

1940. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-09 06:08:18 UTC
From: Paul N3EOP <n3eop@arrl.or.callsign.net>
Message-ID: <Xns9283EB6064160n3eophotmailcom@64.164.98.6>
Source record: 5364

Hank Oredson asked:

> Who or what is "YDI"?

Did you think to try "www.ydi.com"?

1941. Narrow Bandwidth TeleVision

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-09 15:30:06 UTC
From: Erwin <erwin.meyvaert@pandora.be>
Message-ID: <283f9.109594$8o4.15273@afrodite.telenet-ops.be>
Source record: 5365

A new mode
http://users.pandora.be/ON1AIJ

Kind regards

ON1AIJ
Erwin

1942. new irc chat channel

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-09 21:03:47 UTC
From: Chuck <k8cpachuck@yahoo.com>
Message-ID: <353qnu8o7ct4vevbvm3j2jaemfafso3tvl@4ax.com>
Source record: 5366

New IRC chat Channel... On DALnet

#hamchat

registered channel

join us...

go to http://www.mirc.com to get MIRC, the nicest IRC chat client
around.

73

1943. Re: PSK31 other than on 20M?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-10 01:25:47 UTC
From: Mike <ccom2@socket.net>
Message-ID: <3D7D4A1B.2080601@socket.net>
Source record: 5367

The truth of the matter is that you cannot get the people to move off
20 meters even when the band is to full
Mike
AB0IV

Ken wrote:
> I keep listening for PSK31 at night on 10M, 40M, 80M and 160M to no
> avail. Nada. I am in NY and hear all kinds of DX on my FT990 and
> multiband dipole with MFJ-986 tuner. Have the calling frequencies
> moved? I am using the frequencies (MHz) on Buck's page:
>
> 10M = 28.12015
> 40M = 7.03515
> 80M = 3.58015
> 160M = 1.83815
>
> Ken KC2JDY
>
> Ken
> (to reply via email
> remove "zz" from address)

1944. Re: PSK31 other than on 20M?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-10 10:05:12 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <stjf9.10221$6S.2239189108@newssvr30.news.prodigy.com>
Source record: 5368

"Mike" <ccom2@socket.net> wrote in message
news:3D7D4A1B.2080601@socket.net...
> The truth of the matter is that you cannot get the people to move off
> 20 meters even when the band is to full
> Mike
> AB0IV

Duh!

Charles, N5PVL

1945. FYI: Calling Frequencies Including Digital

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-10 14:10:14 UTC
From: AC6V <ac6v@amsat.org>
Message-ID: <a3nf9.46$S32.16171@news2.west.cox.net>
Source record: 5369

At URL:
http://ac6v.com/callfreq.htm

--
I Doubt, Therefore I Might Be
73 From AC6V, Rod In Oceanside, CA
http://ac6v.com

1946. How do I connect SCS PTC-IIe to Kenwood TH-D7AG?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-10 21:49:57 UTC
From: johnfofawn@hotmail.com
Message-ID: <d89364bd.0209101349.19853703@posting.google.com>
Source record: 5370
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

Hi,

I want to buy this modem and this radio, but I can't find anyone that sells a cable to connect them? Any advice? I really don't want to build one -- I want a high-quality cable with molded connectors.

Thanks!
JOhn

1947. UO-22 satellite, AGWPE and soundcard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-10 23:35:05 UTC
From: Don <dbwoodw-removethis@alltel.net>
Message-ID: <Jkvf9.1217$xp5.1384620@news.alltel.net>
Source record: 5371

I made a cable from the FT-847's PKT jack's 9600 output to my soundcards input
and I was able to decode frames from UO-22 using my FT-847 and the AGWPE drivers, UISS and the soundcard in my computer. See some of the copy at the end
of this message.

For transmit I have a Westmountain Rigblaster. What do I need in the "TO" and
"via" fields to digipeate through UO-22?

Does anyone know of a PB/PG program that works with AGWPE and the PACSATS?

73's

Don Woodward
KD4APP
AMSAT 33535
http://kd4app.webhop.org

==========
===

Fm UOSAT5-12 To BBSTAT <UI pid=F0 [DAMA] [EAX25] Len=11 >[17:36:55]
Open 12a :

Fm UOSAT5-12 To BBSTAT <UI pid=F0 [DAMA] [EAX25] Len=11 >[17:36:55]
Open 12a :

Fm UOSAT5-11 To STATUS <UI pid=F0 [DAMA] [EAX25] Len=14 >[17:36:56]
B: 2966830369

Fm UOSAT5-11 To STATUS <UI pid=F0 [DAMA] [EAX25] Len=14 >[17:36:56]
B: 2966830369

Fm UOSAT5-11 To PBLIST <UI pid=F0 [DAMA] [EAX25] Len=29 >[17:37:07]
PB: NV8F K1UXB KB2MVN VE3BCG

Fm UOSAT5-11 To VE3BCG <UI pid=BB [DAMA] [EAX25] Len=10 >[17:37:08]
OK VE3BCG

1948. Re: How do I connect SCS PTC-IIe to Kenwood TH-D7AG?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-10 23:54:29 UTC
From: "Bob Lewis (AA4PB)" <rlewis@staffnet.com>
Message-ID: <unt1ii8lgl74ec@corp.supernews.com>
Source record: 5372
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

SCS and their distributors sell a cable with the PTC-II connector on one end and nothing on the other. Purchase a connector to match the Kenwood and solder it on the other end.

1949. Re: APRS Questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-11 11:08:28 UTC
From: ralphmw@aol.com
Message-ID: <20020911070828.24617.00003330@mb-mj.aol.com>
Source record: 5373

A digipeater uses a simplex frequency. It DIGItally rePEAT(ER)s your packet burst on the same freq. In this case 144.390.

Ralph NH6QT/3

1950. U.S. Packet Net

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-11 12:23:20 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <YAGf9.1114$Ad1.295823481@newssvr12.news.prodigy.com>
Source record: 5374

The terrorist attacks of September 11th, 2001 and subsequent events have highlighted the need for more advanced, more comprehensive amateur radio emergency communications. Hams have enjoyed increased cooperation and respect from many government agencies and officials in the wake of 9-11, including a special message of praise and encouragement to U.S. amateurs from president George W. Bush.

At the same time, significant advances have been made in the equipment and software availble to digital amateur radio networkers, making it possible to build network we could only dream about in years past. Amateurs not only have a clear mandate to develop our capability to provide communications in times of emergency or disaster, but we also have the means to do so in a meaningful fashion.

Packet radio (in conjunction with other digital modes) has enormous potential to provide fast, accurate emergency/disaster communications. With the recent resurge of interest, several of our large-scale VHF/UHF networks have begun to expand and upgrade, and new packet networks are again springing up around the nation.

By building and developing independent, amateur radio network that does not depend upon standard, non-ham methods of communicating such as the Internet, amateurs arrainge to be there when they are needed the very most - when communication utilities have broken down or become overloaded during the course of an emergency. Our mandate is to provide independent, alternate emergency communications and only networked amateur radio is relevant to that purpose.

Soon, we can reasonably expect to begin tying our regional networks together into a cohesive, national digital communications network, completely seperate and independent, through the participation of thousands of American hams. It is a large, ongoing task, not something we can expect to "finish", as our networks must not only grow, they must also be maintained and upgraded as we go along.

Now is the time for amateur packet radio networkers to share information, get to know each other and work together more closely than they ever have before. We will be addressing a challenge, answering to a mandate and having a good deal of fun while we are at it. It is this spirit within the hobby that USPN is here to facilitate. We dedicate our efforts to the many amateurs who participate in this fine aspect of amateur radio, and to the people of the United States of America.

If you are a packet radio networker, node-op, SYSOP or even if you are just curious about how to get the packet net going in your area, then USPN is especially for you. Make yourself at home there, say howdy and get to know

everybody.

You can join in one one of the discussion topics in the FORUM, or use our CHAT for more personal, less formal discussion. By pooling our knowlege, we can progress more rapidly and by getting to know other networkers, we can develop working relationships that will be of great importance when linking our systems together for a cohesive, independent United States Packet Network.

There is currently a need for Elmers at USPN, particularly those with expertise in Digital HF modes, as well as the ROSE/FPAC and NetRom/BPQ systems for VHF/UHF...

There is also a need for hams who are willing to participate in upcoming experiments with HF multicast.

http://www.uspacket.net

Charles Brabham, N5PVL
webmaster@uspacket.net

1951. Re: Is KAM XL Best TNC for $400-$500?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-11 19:20:34 UTC
From: Dave Allen <david_e_allen@agilent.com>
Message-ID: <3D7F9782.10505869@agilent.com>
Source record: 5375

PLEASE! do us all a favor (and yourself) and don't even think about packet on HF. The packets are too
long for HF bands and conditions. Do something DESIGNED for HF - pactor, amtor, etc. You are, after all,
shopping for a tnc that WILL do those modes. I get better (or at least as good) throughput with pactor I
on HF than with 1200 baud packet on 2m, with a clear freq on 2m!

I have both a kam+ and pk232mbx. I like the automatic 2-port feature of the kam+ (you can hook up, and
operate hf or vhf without switching anything, and both have access to your pbbs while unattended). It's
also much smaller. Haven't been able to tell much difference in performance.

You asked about doing 9600 baud on HF. No, of course. And keep in mind that you can only do 1200 baud
packet on 10m. Below that, it's 300 baud. Pactor is the clear choice.

And if you were interested in the winlink (24-hr automated) HF bbs's, they are almost all pactor. And if
you're not going to be moving huge amounts of data, pactor I is plenty. I move a fair amount of data
(24-hour MBO (mailbox operation)) and pactor I is fine. For more on this,
http://www.winlink.org or
http://wb0taq-twn.home.att.net

73, dave, wb0taq

John wrote:

> Thanks for all the great advice.
>
> HF packet really is really my primary interest. Pactor I would be
> nice, but since I'll only be able to talk to other people with SCS
> boxes with Pactor II I don't think I'll find it that useful.
>
> I guess I'm wondering of the Kam XL, Kam 98, Timewave, or MFJ which is
> the best TNC.
>
> The Kam XL can do 9600 Packet. Is that allowed on HF?
>
> Do people do APRS on HF or is it only VHF/UHF?
>
> I think the soundcard stuff is neat, but in my experience it's been
> too much hassle and too error prone to let me really enjoy the digital
> modes. I've got an HP Omnibook 6000 laptop that I use for all ham

> radio stuff. It's internal sound card is pretty crappy and there is
> lots of noise in general inside the laptop. I'd prefer to use it only
> to control modems, not to be a modem itself. Is that reasonable?
>
> Thanks for the advice!
> John
>
> "S. Miller" <stemp-removethis-@gstarusa.com> wrote in message
news:<3D7876E8.2996B2@gstarusa.com>...
> > Hi John,
> >
> > The SCS PTC-IIe is $650 and has the same over-the-air performance of the
> > Pro. If you are willing to spend $400-$500 then you should definitely
> > spring for the extra dollars if you possibly can and go for the SCS unit.
> > If you have any interest at all in HF data communications then the
> > performance difference between Pactor I and Pactor II/III is night and day.
> > The PTC-IIe can also do HF/VHF packet but if packet is your primary
> > interest then the KAM implementation is much more fully featured then the
> > SCS (i.e. has APRS features, etc.).
> >
> > So, the standard 'what do you want to do' question really does apply... if
> > your interest is primarily HF data then there is no question but to go for
> > the SCS unit if you can. If you are really into the packet/APRS scene then
> > you might want a more fully-featured packet TNC, but even then I would
> > suggest getting the SCS unit and then just picking up an old $50 TNC off of
> > the swap group for APRS. Just one opinion.
> >
> > - Seth
> >
> >
> >
> > John wrote:
> >
> > > Hi,
> > >
> > > I'm ready to plunk down some coin on an awesome TNC. I was really
> > > close to buying an SCS PTC-II, but $1000 is just a little steep for
> > > me.
> > >
> > > I am having a hard time deciding between the popular TNCs. I think the
> > > KAM XL looks like the best HF/VHF/UHF model around. At $380 it's
> > > cheaper than the KAM '98. Why is that? It seems like the XL does more.
> > >
> > > Should I be considering the Timewave or MFJ products.
> > >
> > > I know the standard question is: What do you want to do? Well I want
> > > to be *able* to do anything so I don't mind spending good money to get
> > > a good box.
> > >
> > > Thanks for your advice! I really do appreciate it.

> > >
> > > John

1952. Re: Is KAM XL Best TNC for $400-$500?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-11 19:42:18 UTC
From: "Dana H. Myers" <dana@dioxine.net>
Message-ID: <3D7F9C9C.8030605@dioxine.net>
Source record: 5376

Dave Allen wrote:
> PLEASE! do us all a favor (and yourself) and don't even think about packet on HF. The packets are too
> long for HF bands and conditions.

Well, one can always reduce the MTU/maxframe parameter...

> Do something DESIGNED for HF - pactor, amtor, etc

Strikes me as sound advice, though.

Dana K6JQ
dana@dioxine.net

1953. Mac Pactor Software Driver

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-11 20:02:03 UTC
From: jfenn@lava.net
Message-ID: <alo7fr$5ls$2@mochi.lava.net>
Source record: 5377

somebody responded to me by email a month ago that they had
Pactor software that runs on a MAC to drive the pk232's.
I searched my address book but must have failed to enter his
email address. I am again looking for info on any MAC software
that is "free" or whatever which is written forthe MAC and
Packet/Pactor useage. Pls respond to my email addr if possible
Joe/KH6JF (email is valid jfenn@lava.net)

****
* Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
****

1954. Re: was UO-22 satellite, AGWPE and soundcard - limited success MIXW, UO-22, soundcard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-11 23:35:42 UTC
From: Don <dbwoodw-removethis@alltel.net>
Message-ID: <irQf9.1328$xp5.1484033@news.alltel.net>
Source record: 5378

Just to let everyone know - I've had some success in testing access to 9600
baud
PACSAT packet via soundcard to a PB/PG type program without using a hardware
TNC. Using MIXW to emulate a KISS TNC along with a virtual COM port driver
from
the MIXW site and then sent to the SATLINK (PB/PG) program. So far I have
been
able to decode packets from UO-22 and send them through the virtual COM
ports to
SATLINK - to see a screen capture of this on my website - follow the
"9600-baud
PACSAT" link there.

Layers for RX are as follows:

UO-22 -> FT-847 Radio -> PC soundcard -> MIXW ->
virtual COM3 -> virtual COM port driver -> virtual COM4 -> SATLINK

I have tried the same with WISP but with no luck - it's possible that I
don't
have WISP setup correctly.

More testing to come.

73's

Don Woodward
KD4APP
AMSAT 33535
http://kd4app.webhop.org

"Don" <dbwoodw-removethis@alltel.net> wrote in message
news:Jkvf9.1217$xp5.1384620@news.alltel.net...
> I made a cable from the FT-847's PKT jack's 9600 output to my soundcards
> input
> and I was able to decode frames from UO-22 using my FT-847 and the AGWPE
> drivers, UISS and the soundcard in my computer. See some of the copy at
the
> end
> of this message.
>
> For transmit I have a Westmountain Rigblaster. What do I need in the "TO"
> and
> "via" fields to digipeate through UO-22?
>

> Does anyone know of a PB/PG program that works with AGWPE and the PACSATS?
>
> 73's
>
> Don Woodward
> KD4APP
> AMSAT 33535
> http://kd4app.webhop.org
>
>
>
==========
> ===
>
> Fm UOSAT5-12 To BBSTAT <UI pid=F0 [DAMA] [EAX25] Len=11 >[17:36:55]
> Open 12a :
>
> Fm UOSAT5-12 To BBSTAT <UI pid=F0 [DAMA] [EAX25] Len=11 >[17:36:55]
> Open 12a :
>
> Fm UOSAT5-11 To STATUS <UI pid=F0 [DAMA] [EAX25] Len=14 >[17:36:56]
> B: 2966830369
>
> Fm UOSAT5-11 To STATUS <UI pid=F0 [DAMA] [EAX25] Len=14 >[17:36:56]
> B: 2966830369
>
> Fm UOSAT5-11 To PBLIST <UI pid=F0 [DAMA] [EAX25] Len=29 >[17:37:07]
> PB: NV8F K1UXB KB2MVN VE3BCG
>
> Fm UOSAT5-11 To VE3BCG <UI pid=BB [DAMA] [EAX25] Len=10 >[17:37:08]
> OK VE3BCG
>
>
>

1955. Re: Is KAM XL Best TNC for $400-$500?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-12 16:58:15 UTC
From: johnfofawn@hotmail.com
Message-ID: <d89364bd.0209120858.130442d9@posting.google.com>
Source record: 5379

Okay, so you guys convinced me to buy an SCS PTC-IIe. I see that
Farallon Electronics is the US distributor, but it doesn't seem like
they offer a discount. Can I get a discount elsewhere?

SCS PTC-IIe $649.00
TRX audio cable for ICOM 8 pin DIN $42.00
Y-cable $29.00
XPWare Software $80.00
Total $800.00

Thanks,
John

johnfofawn@hotmail.com (John) wrote in message
news:<d89364bd.0209051649.2a41551b@posting.google.com>...
> Hi,
>
> I'm ready to plunk down some coin on an awesome TNC. I was really
> close to buying an SCS PTC-II, but $1000 is just a little steep for
> me.
>
> I am having a hard time deciding between the popular TNCs. I think the
> KAM XL looks like the best HF/VHF/UHF model around. At $380 it's
> cheaper than the KAM '98. Why is that? It seems like the XL does more.
>
> Should I be considering the Timewave or MFJ products.
>
> I know the standard question is: What do you want to do? Well I want
> to be *able* to do anything so I don't mind spending good money to get
> a good box.
>
> Thanks for your advice! I really do appreciate it.
>
> John

1956. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-13 01:39:56 UTC
From: "Dana H. Myers" <dana@dioxine.net>
Message-ID: <3D8141EE.70002@dioxine.net>
Source record: 5380

Steve, K5OKC wrote:
> What do you do with this link?
>
> Does this connect up to a vocoder or other Ham radio digital
> interface?

It's an IP network.

Dana

1957. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-13 03:54:39 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <3kdg9.26564$jG2.1916593@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5381

"Dana H. Myers" <dana@dioxine.net> wrote in message
news:3D8141EE.70002@dioxine.net...
>
>
> Steve, K5OKC wrote:
> > What do you do with this link?
> >
> > Does this connect up to a vocoder or other Ham radio digital
> > interface?
>
> It's an IP network.
>
> Dana

Never did get any answer about what it was actually USED for though.
NTS traffic? VOIP and remote control of an HF rig?

As far as I could tell from what was posted, this is not actually
a network, but simply a point-to-point link between two locations.
Maybe I'm wrong and there are dozens of nodes involved.
Are there?

We did find out that traditional Ham Radio networking (AX.25
and NET/ROM) are not supported. Why is that? AXIP is simple.

Is this link part of an existing slower speed tcp/ip Ham Radio
network? How many systems involved?

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1958. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-13 04:55:42 UTC
From: "Dana H. Myers" <dana@dioxine.net>
Message-ID: <3D816FD0.10900@dioxine.net>
Source record: 5382

Hank Oredson wrote:
> "Dana H. Myers" <dana@dioxine.net> wrote in message
> news:3D8141EE.70002@dioxine.net...
>
>>
>>Steve, K5OKC wrote:
>>
>>>What do you do with this link?
>>>
>>>Does this connect up to a vocoder or other Ham radio digital
>>>interface?
>>
>>It's an IP network.
>>
>>Dana
>
>
>
> Never did get any answer about what it was actually USED for though.
> NTS traffic? VOIP and remote control of an HF rig?

It's used for any old IP traffic I care to send over it. What
does it matter? You asked how to build a link, I tried to volunteer
actual *hands-on* experience doing so. When you demanded
greater detail, I supplied it, right down to a parts list and
URLs of relevant vendors. Yet, for some reason, you apparently
didn't want to believe me. Whatever.

> As far as I could tell from what was posted, this is not actually
> a network, but simply a point-to-point link between two locations.
> Maybe I'm wrong and there are dozens of nodes involved.
> Are there?

This link is one of several in a network, this was the most
interesting, at least I thought, given the distance and
performance. However, it's been way too much like *work*
to describe it here. I built a 12-mile 11mb/s link out
of off-the-shelf parts, and every time I attempt to share
information about it, it's one challenge after another
from hams.

Brabham even flat out called me a liar. The irony
is that I *actually did it* and he's always talking
about things going on in Europe he read on a web page.

What do you care about what I use my equipment for?
Build your own network and use it how you wish.

Dana K6JQ
dana@dioxine.net

1959. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-13 09:47:11 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <zuig9.11475$vm2.2589121704@newssvr30.news.prodigy.com>
Source record: 5383

"Dana H. Myers" <dana@dioxine.net> wrote in message
news:3D816FD0.10900@dioxine.net...
>
>
> >
> > Never did get any answer about what it was actually USED for though.
> > NTS traffic? VOIP and remote control of an HF rig?
>
> It's used for any old IP traffic I care to send over it. What
> does it matter? You asked how to build a link, I tried to volunteer
> *actual* *hands-on* experience doing so. When you demanded
> greater detail, I supplied it, right down to a parts list and
> URLs of relevant vendors. Yet, for some reason, you apparently
> didn't want to believe me. Whatever.
>
> > As far as I could tell from what was posted, this is not actually
> > a network, but simply a point-to-point link between two locations.
> > Maybe I'm wrong and there are dozens of nodes involved.
> > Are there?
>
> This link is one of several in a network, this was the most
> interesting, at least I thought, given the distance and
> performance. However, it's been way too much like *work*
> to describe it here. I built a 12-mile 11mb/s link out
> of off-the-shelf parts, and every time I attempt to share
> information about it, it's one challenge after another
> from hams.
>
> Brabham even flat out called me a liar. The irony
> is that I *actually did it* and he's always talking
> about things going on in Europe he read on a web page.
>
> What do you care about what I use my equipment for?
> Build your own network and use it how you wish.
>
> Dana K6JQ

Oh, I see... Assuming your "setup" exists, it is another one of those self-isolated, TAPR compliant "IP Only" deals... In other words, nothing that would be of any utility or use either within or beyond the ham radio community. Most likely you are isolating yourself because you would be running illegal content over the alleged link. That would be typical of your type.

I talk about what hams do overseas, and also what hams do in the US - When they do something significant within the hobby. What you are doing, if you are doing it, is not significant within the hobby.

To see what I mean by "significant within the hobby", look at the US groups listed on the NETWORK page at the USPN website. http://www.uspacket.net It lists groups who work cooperatively with other hams to provide digital communications capability for all interested amateurs, and emergency communications capability for their fellow Americans.

In other words, they are hams who do something useful; who make a contribution to society.

The groups listed in the NETWORK page at USPN are worthy of all of our respect.

Charles, N5PVL

1960. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-13 13:00:02 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <mjlg9.26493$3k4.390@news1.central.cox.net>
Source record: 5384

"charlesb" <n5pvl@sbcglobal.net> wrote
> "Dana H. Myers" <dana@dioxine.net> wrote
> >
> > What do you care about what I use my equipment for?
> > Build your own network and use it how you wish.
> >
> > Dana K6JQ
>
> Oh, I see... Assuming your "setup" exists, it is another one of those
> self-isolated, TAPR compliant "IP Only" deals...

TAPR has never produced anything with IP.

> In other words, nothing that would be of any utility or use
> either within or beyond the ham radio community.

This is the kind of spontaneous partisanship that has never been
useful.

802.11b wireless has "utility" and "use" within and beyond ham radio.
To say otherwise is preaching ignorance. Is it the mode which will
attract people to the hobby? No. It's too expensive. It is plug-n-play,
but the component prices are about the same as a washer and a dryer.
Not many wives are going to let their husbands have both cigarettes,
and an expensive wireless link.

Networking has always been a fringe interest. Most hams enjoy other
direct digital modes, and this will always be the case.

When I think of a viable community digital network, I think of the
computers in police cars and fire trucks. To me, this is an useful
network, and has a speed that is acceptable. I have some sound card
software that lets me monitor the data, and it would be a great ham
mode as well. Both mobile and fixed.

Best of all, it contains neither ax.25 nor IP. There are no preconceived
political problems for either group. Interested? Chips are available for
free as samples.

1961. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-13 14:51:19 UTC
From: "Dana H. Myers" <dana@dioxine.net>
Message-ID: <3D81FB6B.8020802@dioxine.net>
Source record: 5385

Steve, K5OKC wrote:
> "charlesb" <n5pvl@sbcglobal.net> wrote
>
>>"Dana H. Myers" <dana@dioxine.net> wrote
>>
>>>What do you care about what I use my equipment for?
>>>Build your own network and use it how you wish.
>>>
>>>Dana K6JQ
>>
>>Oh, I see... Assuming your "setup" exists, it is another one of those
>>self-isolated, TAPR compliant "IP Only" deals...
>
>
> TAPR has never produced anything with IP.

Charles is speaking out of such a depth of ignorance,
it's difficult to fathom what he actually *does* know.
He continues to impugn my character instead of discussing
technology. That's valuable for amateur radio, sure.

>>In other words, nothing that would be of any utility or use
>>either within or beyond the ham radio community.
>
>
> This is the kind of spontaneous partisanship that has never been
> useful.

It's served a use for me - I now have more spare time because
I've lost even a shred of interest of applying what I've done
to amateur radio. Charles would rather call me a liar and
denigrate what I've done, and, if that's representative of
US Packet radio today, then I'll have no part. Ignorance is
curable, but arrogant ignorance is terminal.

> 802.11b wireless has "utility" and "use" within and beyond ham radio.
> To say otherwise is preaching ignorance. Is it the mode which will
> attract people to the hobby? No. It's too expensive. It is plug-n-play,
> but the component prices are about the same as a washer and a dryer.
> Not many wives are going to let their husbands have both cigarettes,
> and an expensive wireless link.

Well, it's no more expensive than attempting to do the same
thing with "pure" amateur radio gear. The cost of each station,
exclusive of computers, is around $800 if everything is off the
shelf with no special bargains. The amount of time invested is

almost always less setting up 802.11b-based hardware than "pure"
ham gear. $800 doesn't buy much in the way of "pure" amateur 11mb/s
gear from what I can see.

Dana K6JQ
dana@dioxine.net

1962. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-13 14:54:10 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <m_mg9.26970$jG2.1967074@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5386

"Dana H. Myers" <dana@dioxine.net> wrote in message
news:3D816FD0.10900@dioxine.net...
>
>
> Hank Oredson wrote:
> > "Dana H. Myers" <dana@dioxine.net> wrote in message
> > news:3D8141EE.70002@dioxine.net...
> >
> >>
> >>Steve, K5OKC wrote:
> >>
> >>>What do you do with this link?
> >>>
> >>>Does this connect up to a vocoder or other Ham radio digital
> >>>interface?
> >>
> >>It's an IP network.
> >>
> >>Dana
> >
> >
> >
> > Never did get any answer about what it was actually USED for though.
> > NTS traffic? VOIP and remote control of an HF rig?
>
> It's used for any old IP traffic I care to send over it. What
> does it matter?

I'm curious. You just told me what it "could" do, I'm asking
what you actually use it for. Care to share your experiences?

> You asked how to build a link, I tried to volunteer
> *actual* *hands-on* experience doing so. When you demanded
> greater detail, I supplied it, right down to a parts list and
> URLs of relevant vendors. Yet, for some reason, you apparently
> didn't want to believe me. Whatever.

As I said when you finally posted the information, I have passed
that information along to the folks who were looking for it.

> > As far as I could tell from what was posted, this is not actually
> > a network, but simply a point-to-point link between two locations.
> > Maybe I'm wrong and there are dozens of nodes involved.
> > Are there?
>

> This link is one of several in a network, this was the most
> interesting, at least I thought, given the distance and
> performance. However, it's been way too much like *work*
> to describe it here. I built a 12-mile 11mb/s link out
> of off-the-shelf parts, and every time I attempt to share
> information about it, it's one challenge after another
> from hams.

We are curious what the network is like, what it is used for,
what you are doing with it. Why not share some of your experience?
Like pulling teeth to get any information from you.

> Brabham even flat out called me a liar. The irony
> is that I *actually did it* and he's always talking
> about things going on in Europe he read on a web page.

I am not Charles.

> What do you care about what I use my equipment for?

I'm curious. It's that simple.

> Build your own network and use it how you wish.

I have, I do, and I've posted many times with comments about
how we use our network and what we use it for (email, web pages,
distributing software updates, remote system management, support
of emergency services, etc.). There is even a web page describing
what we are up to and why. There are several mirrors of that page
which can be accessed via radio.

Why are you unwilling to do the same?

> Dana K6JQ
> dana@dioxine.net

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1963. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-13 14:55:32 UTC
From: "Dana H. Myers" <dana@dioxine.net>
Message-ID: <3D81FC68.9040200@dioxine.net>
Source record: 5387

charlesb wrote:

> Oh, I see... Assuming your "setup" exists, it is another one of those
> self-isolated, TAPR compliant "IP Only" deals... In other words, nothing
> that would be of any utility or use either within or beyond the ham radio
> community. Most likely you are isolating yourself because you would be
> running illegal content over the alleged link. That would be typical of your
> type.

Every time you write a note, Brabham, you exhibit a greater depth
of ignorance and bigotry. I'm moving data around at 11mb/s, and
you're impugning my character. If that makes you feel good, then
so be it, but I think you should stop while you're ahead.

Dana K6JQ
dana@dioxine.net

1964. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-13 14:57:55 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <T1ng9.26974$jG2.1967911@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5388

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:mjlg9.26493$3k4.390@news1.central.cox.net...
> "charlesb" <n5pvl@sbcglobal.net> wrote
> > "Dana H. Myers" <dana@dioxine.net> wrote
> > >
> > > What do you care about what I use my equipment for?
> > > Build your own network and use it how you wish.
> > >
> > > Dana K6JQ
> >
> > Oh, I see... Assuming your "setup" exists, it is another one of those
> > self-isolated, TAPR compliant "IP Only" deals...
>
> TAPR has never produced anything with IP.

Um ... huh ... you are kidding, right?

> > In other words, nothing that would be of any utility or use
> > either within or beyond the ham radio community.
>
> This is the kind of spontaneous partisanship that has never been
> useful.
>
> 802.11b wireless has "utility" and "use" within and beyond ham radio.
> To say otherwise is preaching ignorance. Is it the mode which will
> attract people to the hobby? No. It's too expensive. It is plug-n-play,
> but the component prices are about the same as a washer and a dryer.
> Not many wives are going to let their husbands have both cigarettes,
> and an expensive wireless link.

Copper wire has "utility" and "use" within and beyond ham radio.
But "I use copper wire" doesn't tell me much about Ham Radio.

> Networking has always been a fringe interest. Most hams enjoy other
> direct digital modes, and this will always be the case.
>
> When I think of a viable community digital network, I think of the
> computers in police cars and fire trucks. To me, this is an useful
> network, and has a speed that is acceptable. I have some sound card
> software that lets me monitor the data, and it would be a great ham
> mode as well. Both mobile and fixed.

Build one.

> Best of all, it contains neither ax.25 nor IP. There are no preconceived
> political problems for either group. Interested? Chips are available for

> free as samples.

Use them.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1965. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-13 17:18:23 UTC
From: Bob Nielsen <nielsen@remove_this.oz.net>
Message-ID: <alt6kvbhh0@216.39.144.81>
Source record: 5389

On Fri, 13 Sep 2002 14:57:55 GMT, Hank Oredson wrote:
>
> "Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
> news:mjlg9.26493$3k4.390@news1.central.cox.net...
>> "charlesb" <n5pvl@sbcglobal.net> wrote
>> > "Dana H. Myers" <dana@dioxine.net> wrote
>> > >
>> > > What do you care about what I use my equipment for?
>> > > Build your own network and use it how you wish.
>> > >
>> > > Dana K6JQ
>> >
>> > Oh, I see... Assuming your "setup" exists, it is another one of those
>> > self-isolated, TAPR compliant "IP Only" deals...
>>
>> TAPR has never produced anything with IP.
>
> Um ... huh ... you are kidding, right?

Other than floppy disks containing NET or NOS, to what are you referring?

Bob, N7XY

1966. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-13 17:48:38 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <Wxpg9.1694$IJ5.573944994@newssvr12.news.prodigy.com>
Source record: 5390

"Bob Nielsen" <nielsen@remove_this.oz.net> wrote in message
news:alt6kvbhh0@216.39.144.81...
> On Fri, 13 Sep 2002 14:57:55 GMT, Hank Oredson wrote:
> >
> >> >
> >> > Oh, I see... Assuming your "setup" exists, it is another one of those
> >> > self-isolated, TAPR compliant "IP Only" deals...
> >>
> >> TAPR has never produced anything with IP.
> >
> > Um ... huh ... you are kidding, right?
>
> Other than floppy disks containing NET or NOS, to what are you referring?
>
>
> Bob, N7XY

... asks Bob, sysop of the Tucson Packet Radio Internet gateway (KV4OA).

I suppose this goes to show that experience does not always make a better
liar or prevaricator.

Charles, N5PVL

1967. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-13 22:03:09 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <xgtg9.27622$3k4.16789@news1.central.cox.net>
Source record: 5391

"Hank Oredson" <horedson@att.net> wrote
>
> Um ... huh ... you are kidding, right?
> Copper wire has "utility" and "use" within and beyond ham radio.
> But "I use copper wire" doesn't tell me much about Ham Radio.
> Build one.
> Use them.

I apologize, I thought I was having a conversation. Disregard.

1968. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-13 22:08:40 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <Iltg9.27680$3k4.27483@news1.central.cox.net>
Source record: 5392

"charlesb" <n5pvl@sbcglobal.net> wrote
>
> ... asks Bob, sysop of the Tucson Packet Radio Internet gateway (KV4OA).

What equipment has TAPR produced that does IP?

I am not talking about the TAPR FTP directory of uploaded
programs. That would be like saying TAPR produced SCSI
hard drives, or BASIC interpreters, or C compilers, etc.

1969. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-14 01:41:22 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <6twg9.27888$jG2.2036764@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5393

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:Iltg9.27680$3k4.27483@news1.central.cox.net...
> "charlesb" <n5pvl@sbcglobal.net> wrote
> >
> > ... asks Bob, sysop of the Tucson Packet Radio Internet gateway (KV4OA).
>
> What equipment has TAPR produced that does IP?
>
> I am not talking about the TAPR FTP directory of uploaded
> programs. That would be like saying TAPR produced SCSI
> hard drives, or BASIC interpreters, or C compilers, etc.

What equipment has TAPR produced that WILL NOT do IP?

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1970. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-14 01:46:05 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <xxwg9.27893$jG2.2035864@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5394

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:Iltg9.27680$3k4.27483@news1.central.cox.net...
> "charlesb" <n5pvl@sbcglobal.net> wrote
> >
> > ... asks Bob, sysop of the Tucson Packet Radio Internet gateway (KV4OA).
>
> What equipment has TAPR produced that does IP?

Actually, I'll be nice and stop being obtuse.
From the very start, the TAPR TNCs could do IP.
I've run it using TNC1s and TNC2s ("Real ones bought from TAPR").
The first IP done over Ham Radio used, AFAIR, a TNC1.
The NNC, had it been produced, would do IP.
Make sense now?

> I am not talking about the TAPR FTP directory of uploaded
> programs. That would be like saying TAPR produced SCSI
> hard drives, or BASIC interpreters, or C compilers, etc.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1971. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-14 01:55:00 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <UFwg9.28862$3k4.2956@news1.central.cox.net>
Source record: 5395

"Hank Oredson" <horedson@att.net> wrote
>
> What equipment has TAPR produced that WILL NOT do IP?

What equipment has Heathkit produced that WILL NOT do IP?

1972. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-14 02:29:25 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <9axg9.28896$3k4.6611@news1.central.cox.net>
Source record: 5396

"Hank Oredson" <horedson@att.net> wrote
>
> Actually, I'll be nice and stop being obtuse.

Right...click your heels three times...

> From the very start, the TAPR TNCs could do IP.

That's not the same as saying TAPR produced equipment
that could only do IP, as the Official Statement from USPN
has alluded.

In the context of the Official Statements by USPN, their
spokesperson has stated here, that TAPR was IP ONLY.

Official USPN Statement: "Oh, I see... Assuming your "setup"
exists, it is another one of those self-isolated, TAPR compliant
"IP Only" deals..."

What "IP Only" deals did TAPR produce? Come on now, let's
not be obtuse...

1973. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-14 03:08:18 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <CKxg9.12028$1C2.955431@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5397

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:UFwg9.28862$3k4.2956@news1.central.cox.net...
> "Hank Oredson" <horedson@att.net> wrote
> >
> > What equipment has TAPR produced that WILL NOT do IP?
>
> What equipment has Heathkit produced that WILL NOT do IP?

My AR-15 never could do IP ...

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1974. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-14 03:14:09 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <5Qxg9.12032$1C2.956191@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5398

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:9axg9.28896$3k4.6611@news1.central.cox.net...

Here is what you posted: "TAPR has never produced anything with IP."
I commented on that.
What does USPN have to do with anything?
I never mentioned it.
In fact, I have never mentioned USPN on this or any other
newsgroup. You have me confused with someone else ;-)

(Note, yesterday was the 20th anniversary of the smiley.
Everyone should use a few in commemoration.)

> "Hank Oredson" <horedson@att.net> wrote
> >
> > Actually, I'll be nice and stop being obtuse.
>
> Right...click your heels three times...
>
> > From the very start, the TAPR TNCs could do IP.
>
> That's not the same as saying TAPR produced equipment
> that could only do IP, as the Official Statement from USPN
> has alluded.

> In the context of the Official Statements by USPN, their
> spokesperson has stated here, that TAPR was IP ONLY.
>
> Official USPN Statement: "Oh, I see... Assuming your "setup"
> exists, it is another one of those self-isolated, TAPR compliant
> "IP Only" deals..."
>
> What "IP Only" deals did TAPR produce? Come on now, let's
> not be obtuse...

I never said TAPR produced anything that was "IP only".
Duh ...

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1975. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-14 03:16:00 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <QRxg9.28970$3k4.2965@news1.central.cox.net>
Source record: 5399

"obtuse" <horedson@att.net> wrote
> > >
> > > What equipment has TAPR produced that WILL NOT do IP?
> >
> > What equipment has Heathkit produced that WILL NOT do IP?
>
>
> My AR-15 never could do IP ...

My TAPR PIC-E never could do IP ...

1976. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-14 03:27:25 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <x0yg9.28979$3k4.9648@news1.central.cox.net>
Source record: 5400

"obtuse" <horedson@att.net> wrote
>
> I never said TAPR produced anything that was "IP only".

You are probably right. In your quest for greater argumentative
subjects, you have never said anything about anything.

1977. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-14 03:42:22 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <yeyg9.1994$vH.618031157@newssvr12.news.prodigy.com>
Source record: 5301

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:x0yg9.28979$3k4.9648@news1.central.cox.net...
> "obtuse" <horedson@att.net> wrote
> >
> > I never said TAPR produced anything that was "IP only".
>

...and neither did I. The question only comes up due to obfuscation on Bob's part, and has nothing to do with my statement:

Oh, I see... Assuming your "setup" exists, it is another one of those self-isolated, TAPR compliant "IP Only" deals... In other words, nothing that would be of any utility or use either within or beyond the ham radio community. Most likely you are isolating yourself because you would be running illegal content over the alleged link. That would be typical of your type.

I talk about what hams do overseas, and also what hams do in the US - When they do something significant within the hobby. What you are doing, if you are doing it, is not significant within the hobby.

To see what I mean by "significant within the hobby", look at the US groups listed on the NETWORK page at the USPN website. http://www.uspacket.net It lists groups who work cooperatively with other hams to provide digital communications capability for all interested amateurs, and emergency communications capability for their fellow Americans.

In other words, they are hams who do something useful; who make a contribution to society.

The groups listed in the NETWORK page at USPN are worthy of all of our respect.

I'll stand by that statement, folks, and am proud to do so.

I'm not playing word games, just stating the facts.

Charles, N5PVL

1978. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-14 04:36:42 UTC
From: Bob Nielsen <nielsen@remove_this.oz.net>
Message-ID: <aluecq$1mc$0@216.39.144.81>
Source record: 5302

On Sat, 14 Sep 2002 01:46:05 GMT, Hank Oredson wrote:
>
> "Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
> news:Iltg9.27680$3k4.27483@news1.central.cox.net...
>> "charlesb" <n5pvl@sbcglobal.net> wrote
>> >
>> > ... asks Bob, sysop of the Tucson Packet Radio Internet gateway (KV4OA).
>>
>> What equipment has TAPR produced that does IP?
>
> Actually, I'll be nice and stop being obtuse.
> From the very start, the TAPR TNCs could do IP.
> I've run it using TNC1s and TNC2s ("Real ones bought from TAPR").
> The first IP done over Ham Radio used, AFAIR, a TNC1.
> The NNC, had it been produced, would do IP.
> Make sense now?

I assume you are referring to KISS mode. KISS doesn't equate to IP.
Although much IP software makes use of it, so do some non-IP programs.
IIRC, KISS wasn't in the original firmware (TNC-1 or 2).

1979. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-14 04:59:48 UTC
From: Bob Nielsen <nielsen@remove_this.oz.net>
Message-ID: <alufo4$1mc$1@216.39.144.81>
Source record: 5303

On Fri, 13 Sep 2002 17:48:38 GMT, charlesb wrote:
>
> "Bob Nielsen" <nielsen@remove_this.oz.net> wrote in message
> news:alt6kvbhh0@216.39.144.81...
>> On Fri, 13 Sep 2002 14:57:55 GMT, Hank Oredson wrote:
>> >
>> >> >
>> >> > Oh, I see... Assuming your "setup" exists, it is another one of those
>> >> > self-isolated, TAPR compliant "IP Only" deals...
>> >>
>> >> TAPR has never produced anything with IP.
>> >
>> > Um ... huh ... you are kidding, right?
>>
>> Other than floppy disks containing NET or NOS, to what are you referring?
>>
>>
>> Bob, N7XY
>
> ... asks Bob, sysop of the Tucson Packet Radio Internet gateway (KV4OA).

I was sysop of that system for two years (1998-2000). What does that
have to do with anything TAPR produced, other than that TNCs were used
(I think one was a PacComm and the other was from MFJ)? The system was
not IP-only, by the way.

> I suppose this goes to show that experience does not always make a better
> liar or prevaricator.

Huh?

Bob, N7XY

1980. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-14 05:15:26 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <OBzg9.12193$1C2.970275@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5304

"Bob Nielsen" <nielsen@remove_this.oz.net> wrote in message
news:aluecq$1mc$0@216.39.144.81...
> On Sat, 14 Sep 2002 01:46:05 GMT, Hank Oredson wrote:
> >
> > "Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
> > news:Iltg9.27680$3k4.27483@news1.central.cox.net...
> >> "charlesb" <n5pvl@sbcglobal.net> wrote
> >> >
> >> > ... asks Bob, sysop of the Tucson Packet Radio Internet gateway (KV4OA).
> >>
> >> What equipment has TAPR produced that does IP?
> >
> > Actually, I'll be nice and stop being obtuse.
> > From the very start, the TAPR TNCs could do IP.
> > I've run it using TNC1s and TNC2s ("Real ones bought from TAPR").
> > The first IP done over Ham Radio used, AFAIR, a TNC1.
> > The NNC, had it been produced, would do IP.
> > Make sense now?
>
> I assume you are referring to KISS mode. KISS doesn't equate to IP.

Why would you assume that? I wasn't..

> Although much IP software makes use of it, so do some non-IP programs.
> IIRC, KISS wasn't in the original firmware (TNC-1 or 2).

KISS was not required to do IP using TNC1 or TNC2.

It *was* required to do IP over HDLC though, otherwise one could
only do IP over AX.25 ... but you know all this ...

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

1981. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-14 05:38:42 UTC
From: Bob Nielsen <nielsen@remove_this.oz.net>
Message-ID: <alui12$5po$0@216.39.144.81>
Source record: 5305

On Sat, 14 Sep 2002 05:15:26 GMT, Hank Oredson wrote:
>
> "Bob Nielsen" <nielsen@remove_this.oz.net> wrote in message
> news:aluecq$1mc$0@216.39.144.81...
>> On Sat, 14 Sep 2002 01:46:05 GMT, Hank Oredson wrote:
>> >
>> > "Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
>> > news:Iltg9.27680$3k4.27483@news1.central.cox.net...
>> >> "charlesb" <n5pvl@sbcglobal.net> wrote
>> >> >
>> >> > ... asks Bob, sysop of the Tucson Packet Radio Internet gateway (KV4OA).
>> >>
>> >> What equipment has TAPR produced that does IP?
>> >
>> > Actually, I'll be nice and stop being obtuse.
>> > From the very start, the TAPR TNCs could do IP.
>> > I've run it using TNC1s and TNC2s ("Real ones bought from TAPR").
>> > The first IP done over Ham Radio used, AFAIR, a TNC1.
>> > The NNC, had it been produced, would do IP.
>> > Make sense now?
>>
>> I assume you are referring to KISS mode. KISS doesn't equate to IP.
>
> Why would you assume that? I wasn't..
>
>> Although much IP software makes use of it, so do some non-IP programs.
>> IIRC, KISS wasn't in the original firmware (TNC-1 or 2).
>
> KISS was not required to do IP using TNC1 or TNC2.
>
> It *was* required to do IP over HDLC though, otherwise one could
> only do IP over AX.25 ... but you know all this ...
>

I was trying to find a connection to Charles' "TAPR-compliant, IP-only"
comment which Dana replied to. I may be missing something, but I still
don't understand that one.

1982. Re: Another thought about 802.11b operated under Part 97

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-14 06:07:15 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <nmAg9.29723$3k4.9615@news1.central.cox.net>
Source record: 5306

"Bob Nielsen" <nielsen@remove_this.oz.net> wrote
> > "Official Voice of USPN" wrote
> >
> > I suppose this goes to show that experience does not always make a better
> > liar or prevaricator.
>
> Huh?

He is saying that knowledge is bad, because it is evil, but also stupid evil
people exist.

1983. Ham radio on an Xbox?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-14 10:33:25 UTC
From: Ian Wade <ian.wade@netro.co.uk>
Message-ID: <eoU6b3B1Bxg9Ew9Y@netro.co.uk>
Source record: 5307

Anyone here developing ham radio stuff on an Xbox?

--
73
Ian, G3NRW

For Linux on an Xbox: http://xbox-linux.sourceforge.net/

1984. Yaesu YM-38 schematic

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-14 11:06:48 UTC
From: Anders <aao15@hotmail.com>
Message-ID: <cLEg9.28438$t4.24335@nntpserver.swip.net>
Source record: 5308
Cross-posted to:
rec.radio.amateur,rec.radio.amateur.digital,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,uk.radio.amateur

Hi!

I'm looking for Yaesu YM-38 microphone schematics...Anyone have it?
Please e-mail me: anders.olandersson@swipnet.se

73's

1985. MFJ-1278 pinout

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-14 11:11:59 UTC
From: Anders <aao15@hotmail.com>
Message-ID: <5QEg9.28439$t4.24272@nntpserver.swip.net>
Source record: 5309
Cross-posted to:
rec.radio.amateur,rec.radio.amateur.digital,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,uk.radio.amateur

Hi!

Anyone have the MFJ-1278 pinout?
Please e-mail me: anders.olandersson@swipnet.se

73's

1986. Re: MFJ-1278 pinout

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-14 11:27:55 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <%2Fg9.11686$Jm1.2720295058@newssvr30.news.prodigy.com>
Source record: 5310
Cross-posted to:
rec.radio.amateur,rec.radio.amateur.digital,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,uk.radio.amateur

"Anders" <aao15@hotmail.com> wrote in message
news:5QEg9.28439$t4.24272@nntpserver.swip.net...
> Hi!
>
> Anyone have the MFJ-1278 pinout?
>
>I'm looking for Yaesu YM-38 microphone schematics...Anyone have it?
>Please e-mail me: anders.olandersson@swipnet.se

The place to look is http://www.packetradio.com

Lots of good hookup info there!

Charles, N5PVL

1987. More Packet Radio, Less BS ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-14 11:40:59 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <ffFg9.2038$mj1.652676286@newssvr12.news.prodigy.com>
Source record: 5311

Would you like more discussion of Packet Radio, and less BS? Having trouble getting anything pertinent to the hobby discussed here, due to the "noise level"?

Try the USPN Forum at: http://www.uspacket.net

At USPN, the discussion of packet radio does not get lost in the noise level.

Charles, N5PVL
webmaster@uspacket.net

1988. Need help on setting up bbs

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-14 13:10:30 UTC
From: KC7JQR <kc7jqr@hotmail.com>
Message-ID: <alvcg7$2v0o$1@feed.centurytel.net>
Source record: 5312

Hello, everyone!
Here's my situation:
1. Setting up a remote communications processor computer in my garage with all the radio/tnc ports on it. This computer will server ax.25 and tcp/ip ports.
2. Want to put the bbs (ax.25) and tcp/ip applications servers in my home.
3. I have an ethernet cable run to my garage from my home.
What applications (bpq/dos, bpq/win, sv2agw, flexnet, etc) actually can talk to each other over ethernet. I've been struggling with this for some time already, but nothing seems to talk to each other (using axip). Any real-world suggestions welcomed. Specific setup info desired, not just pie-in-the-sky should-work kind of information.
73 de kc7jqr, paul

1989. Re: MFJ-1278 pinout

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-14 13:55:49 UTC
From: Sam Ess <jacksno7@yahoo.com>
Message-ID: <uo6fuvssjmb25e@corp.supernews.com>
Source record: 5313
Cross-posted to:
rec.radio.amateur,rec.radio.amateur.digital,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,uk.radio.amateur

from an OLD MFJ 1278B manual (1993), The MFJ-1278 J2 pinouts are
1=microphone audio
2=Receiver audio
3=PTT
4=Ground
Is that what you need?

forrest
--
Forrest Shelton Clark
A CircuitRider on the Internet
Baraboo, WI 53913

"Anders" <aao15@hotmail.com> wrote in message
news:5QEg9.28439$t4.24272@nntpserver.swip.net...
> Hi!
>
> Anyone have the MFJ-1278 pinout?
> Please e-mail me: anders.olandersson@swipnet.se
>
> 73's
>
>

1990. Re: Need help on setting up bbs

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-14 13:58:53 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <xgHg9.2050$zZ3.663612470@newssvr12.news.prodigy.com>
Source record: 5314

I believe that all of the software solutions you mentioned will talk over ethernet. I'm not positive about sv2agw, as I have never tried to use AGW with an ethernet card. I bet it does work, but can't say so from experience. All of the othrs I have set up and run. They all worked great.

Maybe somebody who knows more about AGW packet engine can clue us in about that.

...So it looks like its just a case of picking the software you like most. I like the FlexNet stuff best, but that's just me.

Charles, N5PVL
webmaster@uspacket.net
http://www.uspacket.net

"KC7JQR" <kc7jqr@hotmail.com> wrote in message
news:alvcg7$2v0o$1@feed.centurytel.net...
> Hello, everyone!
> Here's my situation:
> 1. Setting up a remote communications processor computer in my garage with
> all the radio/tnc ports on it. This computer will server ax.25 and tcp/ip
> ports.
> 2. Want to put the bbs (ax.25) and tcp/ip applications servers in my home.
> 3. I have an ethernet cable run to my garage from my home.
> What applications (bpq/dos, bpq/win, sv2agw, flexnet, etc) actually can
talk
> to each other over ethernet. I've been struggling with this for some time
> already, but nothing seems to talk to each other (using axip). Any
> real-world suggestions welcomed. Specific setup info desired, not just
> pie-in-the-sky should-work kind of information.
> 73 de kc7jqr, paul
>
>

1991. Re: Need help on setting up bbs

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-14 14:27:37 UTC
From: Roger Barker <roger@peaksys.co.uk>
Message-ID: <ipSr0IAZd0g9Ewqt@peaksys.co.uk>
Source record: 5315

In article <alvcg7$2v0o$1@feed.centurytel.net>, KC7JQR
<kc7jqr@hotmail.com> writes
>Hello, everyone!
>Here's my situation:
>1. Setting up a remote communications processor computer in my garage with
>all the radio/tnc ports on it. This computer will server ax.25 and tcp/ip
>ports.
>2. Want to put the bbs (ax.25) and tcp/ip applications servers in my home.
>3. I have an ethernet cable run to my garage from my home.
>What applications (bpq/dos, bpq/win, sv2agw, flexnet, etc) actually can talk
>to each other over ethernet. I've been struggling with this for some time
>already, but nothing seems to talk to each other (using axip). Any
>real-world suggestions welcomed. Specific setup info desired, not just
>pie-in-the-sky should-work kind of information.

Here's a starter -

BPQ can talk to BPQ over ethernet. I used it for many years. It's not
easy to configure underneath Windows.

Most applications that use AGWPE can connect to it over ethernet, the
only exceptions are the ones that use the AGWPE DDE API rather than the
Winsock API.

So, for instance, my radio ports are on an old 486/66 with AGWPE. I
connect to those radio ports from apps running on other PCs on my LAN.

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

1992. Re: Need help on setting up bbs

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-14 14:56:40 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <l6Ig9.17814$l71.568315996@newssvr11.news.prodigy.com>
Source record: 5316

"Roger Barker" <roger@peaksys.co.uk> wrote in message
news:ipSr0IAZd0g9Ewqt@peaksys.co.uk...
>
> Here's a starter -
>
> BPQ can talk to BPQ over ethernet. I used it for many years. It's not
> easy to configure underneath Windows.

I got past that by running FlexNet on the Windows machine, and BPQ on the DOS machine. FlexNet and BPQ got along fine over the ethernet link. I ran the BBS (FBB) in the Windows/FlexNet machine, but could have operated it in the DOS/BPQ machine just as well. Either one will handle BBS or tcpip software. With FlexNet, you can run native Windows tcpip applications (Internet Explorer, Netscape, WS-FTP, servers, etc..) over AX25, or IP.

W0RLI has software that lets you do all that (Native Windows apps) with BPQ. There's lots of great software out there. I consider it a big plus that we have a choice, that everybody is not stuck using the same stuff.

Charles, N5PVL

1993. Ham Radio Software

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-14 16:07:00 UTC
From: g3tmh@gb7abc.net
Message-ID: <g3tmh000172@hamradio>
Source record: 5332

I have just posted a slightly changed version of HamServ to my web sites

http://www.gb7abc.freeserve.co.uk
http://www.qsl.net/gw3tmh
http://www.gb7abc.net

As well as to the HamServ files section on www.yahoogroups.com

(If you don't know what HamServ is see the appendix)

The main change has been to add a callsign filter to the bulletin
downloads, so it only now collects bulletins from callsigns.

I have done this because I have started collecting news bulletins
from the ham radio newsgroups on the internet, and they can
be accessed off amateur radio via HamServ's radio ports.

I obviously could not allow non amateur radio stuff to be ported.

This appears to be working well, HamServ now collects bulls from the
amateur radio BBS's and also from the internet newsgroups and combines
them in it's bulletin listing.

If you reply to a bulletin using the send reply command it goes either
to the amateur radio bbs or to the internet newsgroup, which ever the
original message came from.

Appendix What is HamServ?

HamServ is a 32 bit BBS/PMS for 32 bit Windows.

It talks to the outside world via the winsock 2 interface, so it can
be accessed over a LAN or over the internet, it can also be accessed
over radio if you also install the Agw Packet Engine.

People can therefore connect to you over the internet or radio
using any of the following protocols.

Ax25, Http, Nntp, Pop3, Smtp, Telnet.

The Http interface is accessed using Internet explorer and gives
a nice web style BBS.

The Ax25 and Telnet interfaces look like a normal packet BBS to anyone
who connects.

All the ports except the Ax25 one can be password protected to block
spam, it also has spam filters built in anyway.

It automatically decodes and extracts 7plus, and has support for
external server, send an email to one of the following if you want
to see the servers in action.

ping@gb7abc.freeserve.co.uk
help@gb7abc.freeserve.co.uk
reqdir@gb7abc.freeserve.co.uk

You will get an automated reply, new servers are being written
all the time, REQFIL will be along soon.

Oh yes and the important bit, HamServ is free, no registration charges.

--

Ken <g3tmh@gb7abc.net>.
For remote servers list
e-mail help@gb7abc.freeserve.co.uk
Web site. http://www.gb7abc.net

1994. Re: Need help on setting up bbs

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-14 20:57:44 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <cpNg9.12947$1C2.1034470@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5317

See the W0RLI web page.
SNOS was designed to do exactly what you want.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"KC7JQR" <kc7jqr@hotmail.com> wrote in message
news:alvcg7$2v0o$1@feed.centurytel.net...
> Hello, everyone!
> Here's my situation:
> 1. Setting up a remote communications processor computer in my garage with
> all the radio/tnc ports on it. This computer will server ax.25 and tcp/ip
> ports.
> 2. Want to put the bbs (ax.25) and tcp/ip applications servers in my home.
> 3. I have an ethernet cable run to my garage from my home.
> What applications (bpq/dos, bpq/win, sv2agw, flexnet, etc) actually can talk
> to each other over ethernet. I've been struggling with this for some time
> already, but nothing seems to talk to each other (using axip). Any
> real-world suggestions welcomed. Specific setup info desired, not just
> pie-in-the-sky should-work kind of information.
> 73 de kc7jqr, paul
>
>

1995. Re: Need help on setting up bbs

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-14 22:12:42 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <uvOg9.33911$3k4.7169@news1.central.cox.net>
Source record: 5318

"Hank Oredson" <horedson@att.net> wrote
> See the W0RLI web page.
> SNOS was designed to do exactly what you want.

Is it approved by the USPN?

As a JNOS derivative, you would probably run into
problems with the Spokesperson and Officers of the
USPN Corporation. You don't want to end up like
TAPR and its products. i.e., being banned by the USPN.

FYI

1996. Re: Need help on setting up bbs

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-14 23:55:47 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <70Qg9.2181$GK3.727847005@newssvr12.news.prodigy.com>
Source record: 5319

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:uvOg9.33911$3k4.7169@news1.central.cox.net...
> "Hank Oredson" <horedson@att.net> wrote
> > See the W0RLI web page.
> > SNOS was designed to do exactly what you want.
>
> Is it approved by the USPN?
>
> As a JNOS derivative, you would probably run into
> problems with the Spokesperson and Officers of the
> USPN Corporation. You don't want to end up like
> TAPR and its products. i.e., being banned by the USPN.
>
> FYI
>

Sorry Steve, but USPN reserves the right to make its own decisions as to what is or is not banned, not you...

Look on the "Banned List" on the USPN home page to see who and what is in there. (Hint: there is no "Banned List", only hams who do not care to participate in USPN's mission, and USPN doesn't bother to list those.)

USPN has no problem with tcpip, as anyone familiar with the site would know. There's nothing better for amateurs to use in systems that provide emergency communications to non-hams. For ham-to-ham communications though, and in some applications for non-hams, there are many situations where tcpip is not needed or even desirable. It is one tool among many, not a do-it-all miracle tool like you see in those ads on television. USPN is results oriented, not protocol oriented, so tcpip only gets the emphasis there that it has earned.

From this perspective, tcpip naturally does not get nearly as heavy an emphasis at USPN as it does at TAPR. Of the total of U.S. packet networks compliant with USPN's mission, about half of them have tcpip services and of those, only a tiny percentage are directly utilized for emergency communications.

To see if what you are doing is compatable with USPN's mission, read the USPN "Mission Statement", located under the LIBRARY link there. You are either with it, or you are not. Decide for yourself.

While you are there on the LIBRARY page, I would highly recommend "Doing Our Part for America" by Richard Card KD4JKX of SEDAN http://www.sedan-central.org/ and cruise through "Packet Radio: Applications for Libraries in Developing Countries" for a detailed, scholarly view of Packet Radio and its use to address a challenge very

similar to our own.

TAPR membership or use of TAPR products is no impediment to participating in USPN's mission. TAPR's policies though, and the failed paradigm they still push is not relevant to USPN's mission. We are success oriented, so naturally USPN derives its policy and paradigm from successful, cooperative networks and networkers in the U.S.. The ones who put results ahead of protocol, not the other way around.

Charles, N5PVL
webmaster@uspacket.net
http://www.uspacket.net

1997. USPN response to CAPRA

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 00:10:42 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <6eQg9.2190$O24.729133237@newssvr12.news.prodigy.com>
Source record: 5320

----- Original Message -----
From: "Christopher M. Gisseler" <k9cg@ilcar.net>
To: <webmaster@uspacket.net>
Sent: Sunday, August 25, 2002 5:55 PM
Subject: addition to network list

> Hello,
>
> I am Chris Gisseler, Secretary of CAPRA (Chicago Area Packet Radio Assn.)
> Could you please add a link to our homepage from the network list on the
> uspacket page? Here's our url:
>
> http://www.ilcar.net/capra
>

Howdy, Chris!

I looked at CAPRA a few weeks ago, but did not include it in the NETWORK page. You would be much better off to list CAPRA with the TAPR web site, if it is not already listed there. TAPR and USPN operate by mutually exclusive paradigm... You are either with one or the other, as there is no way to sincerely participate in both.

If you will go to the LIBRARY section of the USPN web site and read the "Mission Statement", you will see that non-ham links are considered to be irrelevant to USPN's stated purpose, the development of a national RF digital network. As long as CAPRA can only communicate beyond the LAN with non-ham links, or uses non-ham links in preference to amateur radio for that purpose, it is not ready to participate in a national RF network, and so would be inappropriate to list among the U.S. packet radio networks that are ready to cooperate at that level.

CAPRA's structure is compliant with the amateur packet radio paradigm developed by Phil Karn, Greg Jones (formerly of TAPR) and now Steve Stroh's exclusive "IP only" campaign. That paradigm has been dominant at TAPR for over a decade now, and has not given us any significant *amateur packet radio* network... Just a few isolated LANS such as CAPRA, that have no provision for communicationg beyond the LAN via amateur radio. It is, by all reasonable measures, a failed paradigm in that it has produced no significant network, and tends to discourage, rather than encourage most hams to play with amateur packet radio. - Thus the lack of activity noted in the CAPRA newsletter.

You may be surprised to learn that there are several packet networks in operation in the U.S. today that are handling a good deal of activity, (including IP!) and are actively growing, putting up new nodes on a regular

basis. Two of the networks listed on the USPN NETWORK page, for example, have put up over 50 new nodes in the last few years, one of them has put up over 80 new nodes in that time period. These are the successful packet radio networkers in the U.S. today, and the one thing that is common among them is that none of them subscribe to the "IP only" paradigm, and none of them use non-ham links to communicate outside of the LAN. They pretty well ignore TAPR, its policies and its paradigm.

It's all ham radio, instead... "ham radio only".

Internet gateways are used to pass traffic data back and forth between the Internet and Packet networks, (essential for emergency non-ham to non-ham communications via packet radio) but are *never* used to carry amateur packet radio (ham-to-ham) communications. (discourages growth and advancemment of amateur packet radio infrastructure)

I would be the last one to tell you or CAPRA how to run your network, but I will suggest that at your next meeting, you might want to compare the growth and utilization of TAPR-compliant networks such as CAPRA with the growth and level of utilization to be found in more inclusive networks that have ignored TAPR's "IP only" paradigm. Do an internet search and see for yourself. To see the successful, growing U.S. packet radio networks, look at the NETWORK page at USPN, and follow the links there.

If CAPRA decides that continuing to support TAPR's failed paradigm is more important than growth, cooperation with your fellow hams, and higher levels of activity, well that's CAPRA's decision. It's your LAN, after all. But if CAPRA decides that it would like to see more utilization, more growth, and closer ties with the rest of the U.S. amateur packet radio community, let me know and I'll be happy to hook you up with the folks who can help you get things rolling there.

When CAPRA displays a willingness and ability to cooperate with other packet radio networkers in such fundamental areas as "RF only" for ham-to-ham communications so that the incentive to build new netwotrk will be there, inclusiveness rather than exclusiveness so to facilitate intercommunication within the U.S. digital ham radio community, along with the pride of accomplishment and usefulness in emergencies that comes with an independent, "ham radio only" network, I'll be very glad to list CAPRA on the USPN NETWORK page.

Thank you for you interest.

Charles, N5PVL webmaster@uspacket.net

1998. Re: USPN response to CAPRA

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 00:13:52 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <4hQg9.2192$m74.729420869@newssvr12.news.prodigy.com>
Source record: 5321

I though the USPN response to CAPRA would clear up any misconceptionms or doubts about USPN's mission that the "USPN Mission Statement" does not cover.

Charles, N5PVL

1999. USPN Mission Statement

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 00:15:47 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <TiQg9.2193$_84.729527369@newssvr12.news.prodigy.com>
Source record: 5322

The terrorist attacks of September 11th, 2001 and subsequent events have highlighted the need for more advanced, more comprehensive amateur radio emergency communications. Hams have enjoyed increased cooperation and respect from many government agencies and officials in the wake of 9-11, including a special message of praise and encouragement to U.S. amateurs from president George W. Bush.

At the same time, significant advances have been made in the equipment and software availble to digital amateur radio networkers, making it possible to build network we could only dream about in years past. Amateurs not only have a clear mandate to develop our capability to provide communications in times of emergency or disaster, but we also have the means to do so in a meaningful fashion.
Packet radio (in conjunction with other digital modes) has enormous potential to provide fast, accurate emergency/disaster communications. With the recent resurge of interest, several of our large-scale VHF/UHF networks have begun to expand and upgrade, and new packet networks are again springing up around the nation.

By building and developing independent, amateur radio network that does not depend upon standard, non-ham methods of communicating such as the Internet, amateurs arrainge to be there when they are needed the very most - when traditional methods of communication have broken down or become overloaded during the course of an emergency. Our mandate is to provide independent, alternate emergency communications and only networked amateur radio is relevant to that purpose.

Soon, we can reasonably expect to begin tying our regional networks together into a cohesive, national digital communications network, completely seperate and independent, through the participation of thousands of American hams. It is a large, ongoing task, not something we can expect to "finish", as our networks must not only grow, they must also be maintained and upgraded as we go along.

Now is the time for amateur packet radio networkers to share information, get to know each other and work together more closely than they ever have before. We will be addressing a challenge, answering to a mandate and having a good deal of fun while we are at it. It is this spirit within the hobby that USPN is here to facilitate. We dedicate our efforts to the many amateurs who participate in this fine aspect of amateur radio, and to the people of the United States of America.

USPN: http://www.uspacket.net

2000. Re: Need help on setting up bbs

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 03:13:56 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <UVSg9.13264$1C2.1070035@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5323

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:uvOg9.33911$3k4.7169@news1.central.cox.net...
> "Hank Oredson" <horedson@att.net> wrote
> > See the W0RLI web page.
> > SNOS was designed to do exactly what you want.
>
> Is it approved by the USPN?

I have no idea.

> As a JNOS derivative, you would probably run into
> problems with the Spokesperson and Officers of the
> USPN Corporation. You don't want to end up like
> TAPR and its products. i.e., being banned by the USPN.

It's not a JNOS derivitive.
It is also not a WNOS derivitive.
It does contain a small amount of code from the original
NET kernel, and some code from PE1CHL.
All the rest is new code, and quite different from JNOS.
It's a whole bunch different than TNOS also (TNOS is not
just a JNOS derivitive, but simply a JNOS copy :-))

Perhaps you should look at it before you comment about it.

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2001. Re: USPN response to CAPRA

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 03:16:24 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <cYSg9.34712$3k4.15584@news1.central.cox.net>
Source record: 5324

"charlesb" <n5pvl@sbcglobal.net> wrote
> ----- Original Message -----
> From: "Christopher M. Gisseler" <k9cg@ilcar.net>
>
> > Hello,
> >
> > I am Chris Gisseler, Secretary of CAPRA (Chicago Area Packet Radio Assn.)
> > Could you please add a link to our homepage from the network list on the
> > uspacket page?
>
> Howdy, Chris!
>
> I looked at CAPRA a few weeks ago, but did not include it in the NETWORK
> page. You would be much better off to list CAPRA with the TAPR web site, if
> it is not already listed there. TAPR and USPN operate by mutually exclusive
> paradigm...

Holy shit! I'm forwarding this to Stan at the ARRL. He's gonna be pissed
he even mentioned your web site last July.

Wow! And this, just after you said:

> USPN has no problem with tcpip, as anyone familiar with the site
> would know.

Talk about shooting yourself in the foot!

2002. Re: USPN response to CAPRA

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 03:22:13 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <F1Tg9.34717$3k4.14710@news1.central.cox.net>
Source record: 5325

It sure did. You're still this newsgroup Brainiac, who will some day
rule the world! {squeak, squeak]

Here's a clue: Hams do not, and will never again, use or visit a BBS
in significant numbers to make it worthwhile for either having fun, or
during an emergency.

I say that to clear up any misconceptions you may have about me.

"charlesb" <n5pvl@sbcglobal.net> wrote
> I though the USPN response to CAPRA would clear up any misconceptionms or
> doubts about USPN's mission that the "USPN Mission Statement" does not
> cover.

2003. Re: USPN Mission Statement

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 03:35:57 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <xeTg9.34720$3k4.17849@news1.central.cox.net>
Source record: 5326

I edited your "Mission Statement" (you might consider a spell checker):

"charlesb" <n5pvl@sbcglobal.net> wrote

> The terrorist attacks of September 11th, 2001 and subsequent events have
> highlighted the need for more advanced, more comprehensive amateur radio
> emergency communications. Hams have enjoyed increased cooperation and
> respect from many government agencies and officials in the wake of 9-11,
> including a special message of praise and encouragement to U.S. amateurs
> from president George W. Bush.
>
> At the same time, significant advances have been made in the equipment and
> software availble [SIC] to digital amateur radio networkers[SIC], making it possible to
> build [a] network we could only dream about in years past. Amateurs not only
> have a clear mandate to develop our capability to provide communications in
> times of emergency or disaster, but we also have the means to do so in a
> meaningful fashion.

>
> Packet radio (in conjunction with other digital modes) has enormous
> potential to provide fast, accurate emergency/disaster communications. With
> the recent resurge of interest, several of our large-scale VHF/UHF networks
> have begun to expand and upgrade, and new packet networks are again
> springing up around the nation [list five examples].
>
> By building and developing independent, amateur radio network that does not
> depend upon standard, non-ham methods of communicating such as the Internet,
> amateurs arrainge [SIC] to be there when they are needed the very most - when
> traditional methods of communication have broken down or become overloaded
> during the course of an emergency. Our mandate is to provide independent,
> alternate emergency communications and only networked amateur radio is
> relevant to that purpose.
>
> Soon, we can reasonably expect to begin tying our regional networks together
> into a cohesive, national digital communications network, completely
> seperate [SIC] and independent, through the participation of thousands of American
> hams. It is a large, ongoing task, not something we can expect to "finish",
> as our networks must not only grow, they must also be maintained and
> upgraded as we go along.

Areas outlined in blue mis-state your purpose (lie). You have shown here that

you are violently exclusive in working with others.

>
> Now is the time for amateur packet radio networkers [SIC] to share information,

> get to know each other and work together more closely than they ever have
> before. We will be addressing a challenge, answering to a mandate and having
> a good deal of fun while we are at it. It is this spirit within the hobby
> that USPN is here to facilitate. We dedicate our efforts to the many
> amateurs who participate in this fine aspect of amateur radio, and to the
> people of the United States of America.

2004. Re: Need help on setting up bbs

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 03:46:23 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <joTg9.34723$3k4.31252@news1.central.cox.net>
Source record: 5327

"Hank Oredson" <horedson@att.net> wrote
>
> Perhaps you should look at it before you comment about it.

No source, and no current development. Nope, I'll pass.

2005. Re: USPN response to CAPRA

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 03:49:40 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <orTg9.17938$f_5.653452319@newssvr11.news.prodigy.com>
Source record: 5328

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:cYSg9.34712$3k4.15584@news1.central.cox.net...
> "charlesb" <n5pvl@sbcglobal.net> wrote
> > ----- Original Message -----
> > From: "Christopher M. Gisseler" <k9cg@ilcar.net>
> >
> > > Hello,
> > >
> > > I am Chris Gisseler, Secretary of CAPRA (Chicago Area Packet Radio
Assn.)
> > > Could you please add a link to our homepage from the network list on
the
> > > uspacket page?
> >
> > Howdy, Chris!
> >
> > I looked at CAPRA a few weeks ago, but did not include it in the NETWORK
> > page. You would be much better off to list CAPRA with the TAPR web site,
if
> > it is not already listed there. TAPR and USPN operate by mutually
exclusive
> > paradigm...
>
> Holy shit! I'm forwarding this to Stan at the ARRL. He's gonna be pissed
> he even mentioned your web site last July.

I doubt it.

>
> Wow! And this, just after you said:
>
> > USPN has no problem with tcpip, as anyone familiar with the site
> > would know.
>
> Talk about shooting yourself in the foot!
>

Sorry... I fail to get your point. Unless you think of "amateur tcpip" as a
few isolated LANS linked together over the internet. I see a different way
of using it, and by the way, Stan is well aware of my thoughts in this
matter, and has been for some time. His attitude is somewhat more inclusive
than yours, perhaps, and less narrow. You could learn a lot from Stan
Horzepa, Steve. The exclusive, "IP only" stuff that TAPR pushes is for the
birds. That kind of exclusiveness is contrary to common sense, not to
mention the spirit of the hobby.

Charles, N5PVL

2006. Re: USPN response to CAPRA

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 03:53:09 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <FuTg9.17940$A16.653660212@newssvr11.news.prodigy.com>
Source record: 5329

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:F1Tg9.34717$3k4.14710@news1.central.cox.net...
> It sure did. You're still this newsgroup Brainiac, who will some day
> rule the world! {squeak, squeak]
>
> Here's a clue: Hams do not, and will never again, use or visit a BBS
> in significant numbers to make it worthwhile for either having fun, or
> during an emergency.
>
> I say that to clear up any misconceptions you may have about me.
>

Nothing new there, Steve... I've always known you to be a troll, with no
respect for most other hams.

I don't see the BBS connection at all, by the way... What have BBS's have to
do with this thread?

Charles, N5PVL

2007. Re: Need help on setting up bbs

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 04:14:16 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <sOTg9.11901$s67.2834073711@newssvr30.news.prodigy.com>
Source record: 5330

"Hank Oredson" <horedson@att.net> wrote in message
news:UVSg9.13264$1C2.1070035@bgtnsc04-news.ops.worldnet.att.net...
>
> "Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
> news:uvOg9.33911$3k4.7169@news1.central.cox.net...
> > "Hank Oredson" <horedson@att.net> wrote
> > > See the W0RLI web page.
> > > SNOS was designed to do exactly what you want.
> >
> > Is it approved by the USPN?
>
> I have no idea.
>

Well Hank, if it's OK with you, I'll put a SNOS link in the "Packet Radio Software" section. You haven't expressed any opinions about USPN or requested a link, so I have not been clear about your feelings about it. It may well be that you would rather not be included there.

Most times I put in new links when somebody asks "Why don't you have XYZ in there?" I'll look at XYZ and if it's useful, in it goes. Unless you indicate otherwise, I'll act in response to Steve's interest in your software.

Charles, N5PVL

2008. Re: USPN response to CAPRA

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 04:36:22 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <a7Ug9.34733$3k4.9015@news1.central.cox.net>
Source record: 5331

"charlesb" <n5pvl@sbcglobal.net> wrote
>
> Unless you think of "amateur tcpip" as a few isolated LANS
> linked together over the internet.

Nope. I would no sooner use IP on top of AX.25, then
masterbate in public.

IP should only be used by one of these 4-level FSK modems:

http://www.cmlmicro.com/products/wdata/index.htm

Either that, or spread spectrum.

2009. Re: Ham Radio Software

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 12:01:54 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <SE_g9.11937$p85.2868886629@newssvr30.news.prodigy.com>
Source record: 5333

<g3tmh@gb7abc.net> wrote in message news:g3tmh000172@hamradio...
>
> I have just posted a slightly changed version of HamServ to my web sites
>
>
> I have done this because I have started collecting news bulletins
> from the ham radio newsgroups on the internet, and they can
> be accessed off amateur radio via HamServ's radio ports.
>

Here in the US, running foul language over Ham radio links will cause you to lose your liscense, maybe go to jail. Maybe its different in your country, but over here it's strictly forbidden.

The TAPR advocate Steve K5OKC often spews filth on the newsgroups. His last two postings on rec.radio.amateur.digital.misc have contained material illegal over the ham bands, and of course there will be others, because usenet was never intended to be accessed over amateur radio. On usenet "anything goes", which would cause responsible hams to immediately understand that it has no place on the ham bands.

But not you...

It is irresponsible to port usenet over to ham radio. I hope the first person to get their liscense lifted on account of it is you, and not some innocent ham who assumed that your software could be operated without jeadordizing their ticket.

...And you call yourself a ham! Might as well develop SSTV software that links directly up to a porno site. I suggest that you sober up and try to remember what ham radio is all about, assuming you ever knew.

Charles, N5PVL

2010. Re: USPN response to CAPRA

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 12:03:47 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <DG_g9.11938$ih5.2869059611@newssvr30.news.prodigy.com>
Source record: 5334

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:a7Ug9.34733$3k4.9015@news1.central.cox.net...
> "charlesb" <n5pvl@sbcglobal.net> wrote
> >
> > Unless you think of "amateur tcpip" as a few isolated LANS
> > linked together over the internet.
>
> Nope. I would no sooner use IP on top of AX.25, then
> masterbate in public.
>
> IP should only be used by one of these 4-level FSK modems:
>
> http://www.cmlmicro.com/products/wdata/index.htm
>
> Either that, or spread spectrum.
>

I knew Steve, that whatever it was, it would be something that most hams would have no interest in, whatsoever.

But that's just you.

Charles, N5PVL

2011. Re: Ham Radio Software

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 15:09:29 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <Jo1h9.36379$3k4.8150@news1.central.cox.net>
Source record: 5335

"charlesb" <n5pvl@sbcglobal.net> wrote
>
> Here in the US, running foul language over Ham radio links will cause you to
> lose your liscense, maybe go to jail.

oops, another USPN outcast. More banned software.

You need to post on your commercial site all the hams, clubs, hardware,
and software that is banned by the USPN.

2012. Re: Ham Radio Software

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 15:34:43 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <nM1h9.11961$VP5.2880681009@newssvr30.news.prodigy.com>
Source record: 5336

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:Jo1h9.36379$3k4.8150@news1.central.cox.net...
> "charlesb" <n5pvl@sbcglobal.net> wrote
> >
> > Here in the US, running foul language over Ham radio links will cause
you to
> > lose your liscense, maybe go to jail.
>
> oops, another USPN outcast. More banned software.
>
> You need to post on your commercial site all the hams, clubs, hardware,
> and software that is banned by the USPN.
>

Trolls are always a bore.

Having no rational arguement and sensing that he has lost the debate, Steve goes into his familiar Troll mode, spewing obscenity and ridiculous, disconnected accusations in his frustration.

I'd feel sorry for him, but he's a Troll.

Charles, N5PVL

2013. Re: Need help on setting up bbs

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 15:59:25 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <x72h9.30194$jG2.2271822@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5337

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:joTg9.34723$3k4.31252@news1.central.cox.net...
> "Hank Oredson" <horedson@att.net> wrote
> >
> > Perhaps you should look at it before you comment about it.
>
> No source, and no current development. Nope, I'll pass.

Huh?
Unable to read dates on files are you?

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2014. Re: Need help on setting up bbs

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 16:05:45 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <td2h9.30203$jG2.2272752@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5338

Does not matter to me if someone links to that page.
I'm not "pushing" SNOS, it is just there for anyone who
might enjoy using it. As far as the "open source" issue
is concerned, no I do not provide source code. I figure
anyone competent to make changes and/or additions
would be either 1) competent at describing what they
want; or 2) competent enough to write their own.

The original poster lives in Oregon, not far from here,
and not far from a dozen BBS systems. As far
as I can tell they are not on packet. Once on packet
it should become pretty obvious how to set up a bbs :-)

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"charlesb" <n5pvl@sbcglobal.net> wrote in message
news:sOTg9.11901$s67.2834073711@newssvr30.news.prodigy.com...
>
> "Hank Oredson" <horedson@att.net> wrote in message
> news:UVSg9.13264$1C2.1070035@bgtnsc04-news.ops.worldnet.att.net...
> >
> > "Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
> > news:uvOg9.33911$3k4.7169@news1.central.cox.net...
> > > "Hank Oredson" <horedson@att.net> wrote
> > > > See the W0RLI web page.
> > > > SNOS was designed to do exactly what you want.
> > >
> > > Is it approved by the USPN?
> >
> > I have no idea.
> >
>
> Well Hank, if it's OK with you, I'll put a SNOS link in the "Packet Radio
> Software" section. You haven't expressed any opinions about USPN or
> requested a link, so I have not been clear about your feelings about it. It
> may well be that you would rather not be included there.
>
> Most times I put in new links when somebody asks "Why don't you have XYZ in
> there?" I'll look at XYZ and if it's useful, in it goes. Unless you
> indicate otherwise, I'll act in response to Steve's interest in your
> software.

>
> Charles, N5PVL
>
>

2015. Re: Need help on setting up bbs

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 16:09:17 UTC
From: KC7JQR <kc7jqr@hotmail.com>
Message-ID: <am2bbf$14ng$1@feed.centurytel.net>
Source record: 5339

To those who gave good advice, thank you.

To those who started an argument and personal attacks, consider this:
"Arguing on the internet is like winning in the special olympics:
even if you win you're still retarded."
It's kind of sick humor, but it pretty much describes this newsgroup.
Don't bother to flame me on this one, I have only the utmost respect for
those involved in the special olympics.

2016. Thoughts On USPN

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 16:19:08 UTC
From: Marty Albert <kc6ufm@amsat.org>
Message-ID: <0q2h9.19206$S32.1402553@news2.west.cox.net>
Source record: 5340

Hello, All.

About 5 weeks ago, I asked several questions here in the group about the USPN and got, basically, no answer, so I will try again, using the USPN Mission Statement from the web site (http://www.uspacket.net) as a sort of frame-work for my questions and comments.

The USPN Mission Statement below was captured from the USPN web site and edited for format. All spelling, grammatical, and other errors are as they were captured.

> The terrorist attacks of September 11th, 2001 and

> subsequent events have highlighted the need for more

> advanced, more comprehensive amateur radio

> emergency communications. Hams have enjoyed

> increased cooperation and respect from many

> government agencies and officials in the wake of 9-11,

> including a special message of praise and

> encouragement to U.S. amateurs from president

> George W. Bush.

Agreed, but.

To a point, at least, I have to agree with recent comments made by Gore Vidal. You should be able to find his comments at the BBC site from an interview he gave about 7-10 days ago.

> At the same time, significant advances have been made

> in the equipment and software availble to digital amateur

> radio networkers, making it possible to build network we

> could only dream about in years past. Amateurs not only

> have a clear mandate to develop our capability to provide

> communications in times of emergency or disaster, but we

> also have the means to do so in a meaningful fashion.

Again, agreed.

> Packet radio (in conjunction with other digital modes) has

> enormous potential to provide fast, accurate

> emergency/disaster communications. With the recent

> resurge of interest, several of our large-scale VHF/UHF

> networks have begun to expand and upgrade, and new

> packet networks are again springing up around the nation.

Agreed, again, to a point.

I have seen little of this in my local area in San Diego, but that is only one area.

> By building and developing independent, amateur radio

> network that does not depend upon standard, non-ham

> methods of communicating such as the Internet, amateurs

> arrainge to be there when they are needed the very

> most - when traditional methods of communication have broken

> down or become overloaded during the course of an emergency.

> Our mandate is to provide independent, alternate emergency

> communications and only networked amateur radio is relevant to

> that purpose.

What mandate is that? Who issued the mandate? The FCC rules only state that Hams are to provide emergency communications and do not specify what form they take.

I think that the real issue here is the "Who" part. Is this mandate from the FCC? The President? Congress? The ARRL? The USPN?

> Soon, we can reasonably expect to begin tying our regional

> networks together into a cohesive, national digital

> communications network, completely seperate and

> independent, through the participation of thousands of

> American hams. It is a large, ongoing task, not something we

> can expect to "finish", as our networks must not only grow,

> they must also be maintained and upgraded as we go along.

> Now is the time for amateur packet radio networkers to share

> information, get to know each other and work together more

> closely than they ever have before. We will be addressing a

> challenge, answering to a mandate and having a good deal of fun

> while we are at it. It is this spirit within the hobby that USPN is

> here to facilitate. We dedicate our efforts to the many amateurs

> who participate in this fine aspect of amateur radio, and to the

> people of the United States of America.

While I agree with the overall "spirit" of the idea presented here, I have some concerns regarding the implementation. We have to look not at just this paragraph, but the earlier ones as well.

The overall feeling of the Mission Statement, that is, the message that it sends, is that "We are right and unless you agree with us, then you are wrong." That goes against the very core of Amateur Radio. Remember that part about enhancing international goodwill? I think that applies across the board. International, national, regional, and local.

And that brings me back to one of the questions I had about USPN several weeks ago. Just who is the USPN? I just looked on the web site and found no membership list. I find no list of officers and no information about how these officers are selected. Who wrote the Mission Statement? Who approved the Mission Statement? Is USPN a democratically structured organization? Or is it a group that is being operated to support the views of a very small group of people?

By and large, my own personal views are that I don't much care for fanatics of any types. My experience and world view is such that I see life as a series of compromises and dynamic adjustments to new ideas. Without the incorporation of ideas and input from all involved, just about every endeavor will fail. To that end, and with my own perceptions in mind, I would make the following suggestions to USPN, who-ever they are.

First, be more open... Would it be nice to have a 100% Amateur RF world wide digital network? You bet it would! Wonderful, in fact! Is it possible? I am not so sure of that one. Past performance has indicated that this may be a pipe dream. I hope with all my heart that I am wrong.

Second, look at the concept of "Social Engineering". People, overall, will never do a thing because they must or because it is right. People will do a thing because they, personally, get something out of the deal. In our case, the packet network must be fun and it must provide the users with something that they, personally, want. Without that, you have no users and you have no network.

Third, look at the big picture. In a practical sense, how big is the "average" (what-ever that is) disaster? How big of an area is directly impacted? What level of failure can you expect of the "traditional" non-Ham communications infrastructure? I have been in tornados in the Midwest and, at most, a few tens of square miles are affected. I was in San Francisco in 1989 and the telephones were about 90% functional even in the heavy damage

areas. I was on the telephone with a gentleman in the WTC on the morning of 11 SEP 2001 and he had to hang up to evacuate the building. Let's assume a really big disaster, shall we? How about a 1 km asteroid hitting, say, Chicago? Chicago is toast, but Little Rock is intact. See what I mean? Disasters tend to be, by their very nature, local in scope. Sometimes the "local scope" is indeed a bit large, but the majority of the infrastructure, in the big picture, will remain intact.

Forth, and perhaps this is really more of a summary of all of the above, consider the integration of both Amateur and other systems into one cohesive network. For example, I have an ATM drop at my office at 622 Mbps. I think that you could safely say that Hams will never be able to provide that kind of bandwidth or reliability on any but the smallest scale. Yes, it is true that I can loose that ATM line in a local disaster. But, what if the disaster is in, let's say, LA. Is it unreasonable for me to make use of that ATM to send messages back to Washington DC that were originated by a Ham using RF in LA? Without boring everyone with the technical side, I could send a 100M message from San Diego to Washington DC via the ATM link in just under 0.25 seconds. How long would that same message take going via RF links? If we assume an RF link at T1 speeds (1.544 Mbps) it would take at least 2 minutes. On a more reasonable RF network of 256 Kbps, you're looking at close to 12 hours.

I suppose that the question comes down to just how many people are we will to endanger due to the delays of an all Amateur RF network in order to meet this mandate that has not been identified?

Again, I like the basic ideas of the USPN, but so far, I have seen little more than talk and attacks on groups like CARPA. The fact that this is happening leads me to the conclusion that what is being seen is the opinion of a very, very small group.

To succeed, USPN will have to be more open and have a broad range of support from many Hams. Packet will have to become fun and useful to draw the users in order to get the people and the money and the equipment to build a viable network. Excluding, banning, and attacking groups is not the way to do that.

Cooperation, looking at the big picture, running an open and honest organization, and support is the way to do this.

Take Care & 73

Marty Albert

KC6UFM

2017. Re: USPN Mission Statement

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 16:28:23 UTC
From: lak <lak@radio.land.com>
Message-ID: <am2cm9$he6$1@news.chatlink.com>
Source record: 5253

I just tuned into this thread and have the following comments below to the comments!

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:xeTg9.34720$3k4.17849@news1.central.cox.net...
I edited your "Mission Statement" (you might consider a spell checker):

"charlesb" <n5pvl@sbcglobal.net> wrote

> The terrorist attacks of September 11th, 2001 and subsequent events have
> highlighted the need for more advanced, more comprehensive amateur radio
> emergency communications. Hams have enjoyed increased cooperation and
> respect from many government agencies and officials in the wake of 9-11,
> including a special message of praise and encouragement to U.S. amateurs
> from president George W. Bush.
>
> At the same time, significant advances have been made in the equipment and
> software availble [SIC] to digital amateur radio networkers[SIC], making it possible to
> build [a] network we could only dream about in years past. Amateurs not only
> have a clear mandate to develop our capability to provide communications in
> times of emergency or disaster, but we also have the means to do so in a
> meaningful fashion.

>
> Packet radio (in conjunction with other digital modes) has enormous
> potential to provide fast, accurate emergency/disaster communications. With
> the recent resurge of interest, several of our large-scale VHF/UHF networks
> have begun to expand and upgrade, and new packet networks are again
> springing up around the nation [list five examples].
>
> By building and developing independent, amateur radio network that does not
> depend upon standard, non-ham methods of communicating such as the Internet,
> amateurs arrainge [SIC] to be there when they are needed the very most - when
> traditional methods of communication have broken down or become overloaded
> during the course of an emergency. Our mandate is to provide independent,
> alternate emergency communications and only networked amateur radio is
> relevant to that purpose.
>
> Soon, we can reasonably expect to begin tying our regional networks together
> into a cohesive, national digital communications network, completely
> seperate [SIC] and independent, through the participation of thousands of American
> hams. It is a large, ongoing task, not something we can expect to "finish",
> as our networks must not only grow, they must also be maintained and
> upgraded as we go along.

Areas outlined in blue mis-state your purpose (lie). You have shown here that

you are violently exclusive in working with others.

Steve,

In what way is the original author "violently exclusive in working with others" I saw no threats

of violence indicated in the original text. As far as statement of purpose, to me his

statement was meant to influence a cooperative atmosphere amongst American

Hams based upon an event that had widespread impact upon the American

people.

In fact, Steve (using your definition of "violently") you have shown you are "violently" opposed

to the person's views as stated in the original post. You accuse him of perpratrating

a lie with the statement, "Areas outlined in blue mis-state your purpose (lie)."

Enlighten me as to what the "lie" is, as the "lie" just does not jump out and make

me see the light!

Reading "between the lines" of your critical review it appears you take exception to

two issues:

1. George Bush and the government of the United States.

2. The right of the American Hams to establish an Emergency Packet Network

to insure communications when another "Jihad" event takes place.

I don't know what or who the USPN is but at least they trying to do something that

sounds reasonably constructive to me. Even if they do not use their spell-checker!

Kathy

"Now is the time for all good men to come to aid of their country" - whoever said it

BTW, sorry if my lowly old BSEE does not make as literate or eloquent as you are

but I did run my spell checker! Besides us engineer are socially inept and illiterate

as everyone nose!

>
> Now is the time for amateur packet radio networkers [SIC] to share information,
> get to know each other and work together more closely than they ever have
> before. We will be addressing a challenge, answering to a mandate and having
> a good deal of fun while we are at it. It is this spirit within the hobby
> that USPN is here to facilitate. We dedicate our efforts to the many
> amateurs who participate in this fine aspect of amateur radio, and to the
> people of the United States of America.

2018. Re: Thoughts On USPN

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 17:22:40 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <Al3h9.18071$Sy7.721044608@newssvr11.news.prodigy.com>
Source record: 5341

"Marty Albert" <kc6ufm@amsat.org> wrote in message
news:0q2h9.19206$S32.1402553@news2.west.cox.net...
>
>
> Hello, All.
>
> About 5 weeks ago, I asked several questions here in the group about the
> USPN and got, basically, no answer, so I will try again, using the USPN
> Mission Statement from the web site (http://www.uspacket.net) as a sort of
> frame-work for my questions and comments.
>

Another frustrated TAPR Troll.

Marty, when you look at the USPN web site, or participate in the Forums there, what you see is what you get. USPN is a work in progress, and when an announcement is warranted about USPN, you will find it on the NEWS page at USPN. This will occur when USPN sees it as necessary, not when a Troll does.

It's a take it or leave it deal, OM. I suggest you have your little fit of venom and get over it. Since your interests are best reflected by what can be found at TAPR, I can only suggest that you would find that participation in their policies and paradigm would be best for you.

The essential difference between USPN and TAPR, OM, is that USPN is looking at what successful amateur packet radio networkers do, and deriving policy from what we see there. TAPR, on the other hand, let a small group of self-appointed "experts" determine that only amateur tcpip is worth pursuing. Since then, TAPR has put in over ten years of pushing tcpip in conferences, seminars, magazines and web-sites while discouraging anything else. - With zero results. That's what folks call being "exclusive", I would suppose... In addition to tcpip, TAPR has consistently pushed the idea of amateur packet radio being a parasite, utterly dependent upon the Internet for connectivity. Amateur packet radio networking (using radio) has not been encouraged at TAPR, only small tcpip LANs linked up by the internet.

So.... When I found out that there are a good number of growing, active packet radio networks around the U.S., most uncharacteristic of the hopeless, moribund lack of growth we have come to expect from TAPR's policy and paradigm, I was not surprised to find all of these successful networks and networkers were simply ignoring TAPR. - And that was good enough for USPN.

We go with the winners, the networkers who put hams on the air and get things done when everyday communications are distressed by an emergency or disaster. We go with what works. You would be happier I'm sure with TAPR,

and nobody is preventing you from doing so. I regularly recommend TAPR to hams who are not interested in participating in USPN, or cannot handle our policy of putting results and accomplishment ahead of protocol, in our policy.

Persons like yourself, who do not understand why hams should communicate via radio if they wish to develop their capability there, are not really suited for, or sympathetic to several of USPN's goals, most obviously being the promotion of a national amateur radio digital network.

So hang out with the TAPR folks, and don't sweat it. You are under no obligation to participate in USPN, but if you have a change of heart about the hobby and decide to do so, nothing will prevent you then from joining in on the effort. Anyone who reads and understands the USPN Mission Statement and finds themselves wanting to participate are always welcome.

Charles, N5PVL
webmaster@uspacket.net
http://www.uspacket.net

2019. Re: Need help on setting up bbs

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 17:25:31 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <fo3h9.30281$jG2.2282000@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5342

The best advice is to get on the air and find out what
the folks near you are doing. Do something similar,
because then you will get lots of local support.

Since you are fairly well isolated from the existing
network, this means get on HF and link up with
folks not very far from you. There are quite a lot
of us all over the NW, and we cover most modes
and almost all HF bands. Once you have done this,
then you can provide service to your area on VHF/UHF.
You will get plenty of help from the HF capable sysops,
we are always looking for new connectivity.

There used to be VHF/UHF links available, but
those have mostly gone away. Perhaps you could
rebuild some of those links.

What I'm trying to get across is that you first need
to establish connectivity to the rest of the digital
network. Once you have that connectivity, then
you can determine which software will do what
you want to do.

If you want a simple local BBS for a few local user,
anything will work, including the BBS built into most
modern TNCs.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"KC7JQR" <kc7jqr@hotmail.com> wrote in message
news:am2bbf$14ng$1@feed.centurytel.net...
> To those who gave good advice, thank you.
> --
> To those who started an argument and personal attacks, consider this:
> "Arguing on the internet is like winning in the special olympics:
> even if you win you're still retarded."
> It's kind of sick humor, but it pretty much describes this newsgroup.
> Don't bother to flame me on this one, I have only the utmost respect for
> those involved in the special olympics.
>
>

2020. Re: Thoughts On USPN

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 17:39:48 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <EB3h9.30299$jG2.2282916@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5343

"Marty Albert" <kc6ufm@amsat.org> wrote in message
news:0q2h9.19206$S32.1402553@news2.west.cox.net...

<deletia>

> First, be more open... Would it be nice to have a 100% Amateur RF world wide
> digital network? You bet it would! Wonderful, in fact! Is it possible? I am
> not so sure of that one. Past performance has indicated that this may be a
> pipe dream. I hope with all my heart that I am wrong.

<deletia>

For emergency services needs we do not require a world-wide network.
We do need a network that reaches beyond each local area, and once
we rebuild such a network, it will be again capable of covering the whole
country. We HAD such a network in the past. It was used with excellent
success during several major emergencies. That network no longer exists,
and cannot now be rebuilt. Why? Lack of interest, lack of will, and severe
interference from the Land Line Lids. That game appears to be over.

The next question one might ask is "Can we build useful regional nets."
The answer also appears to be that we cannot, for the same reasons.

What must change to allow progress? The interference from the Land
Line Lids must be removed. If you had some Lid playing music through
your local 2M repeater 24 hours a day, with 1 KW amplifier on the
repeater input you would either shut down the repeater, or get that
Lid off air. The situation in the digital networks is exactly the same.

In a few areas of the country this has been accomplished, and the
digital networks are again showing growth. Those areas that rely
on the crutch of "playing radio over the internet" show a decline
in the use of Ham Radio networking.

It's that simple.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2021. Re: Thoughts On USPN

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 17:53:59 UTC
From: Marty Albert <kc6ufm@amsat.org>
Message-ID: <XO3h9.19457$S32.1426670@news2.west.cox.net>
Source record: 5344

Charles,

Are you going to answer the questions? Just who is USPN? Who are the members? Where are the by-laws? Who are the officers? Were they elected, appointed, or just did they just take over?

You make me very suspicious of your motives by hiding these facts.

You can't make the questions go away by ignoring them and trying to skirt the issues, Charles. All you need to do is publish a roster, the USPN by-laws, and a list of officers. A simple matter.

Once again, in case you missed it, I think that the basic premise of USPN is a good one... Get communication and, thereby, cooperation within the ranks of those who have the skills and knowledge needed to build a network going. I just disagree with your concept that you have to be critical and abusive of others to do that and that you have to hide the activities and structure of the USPN to make things happen.

And what does TAPR have to do with this discussion? I personally think that they are fanatics and want nothing to do with them. You are preaching to the choir here.

Any chance that you will actually address the issues as opposed to ranting?

Take care & 73

Marty Albert
KC6UFM

"charlesb" <n5pvl@sbcglobal.net> wrote in message
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> pursuing. Since then, TAPR has put in over ten years of pushing tcpip in
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> and paradigm, I was not surprised to find all of these successful networks
> and networkers were simply ignoring TAPR. - And that was good enough for
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> and finds themselves wanting to participate are always welcome.
>
> Charles, N5PVL
> webmaster@uspacket.net
> http://www.uspacket.net
>
>
>
>
>
>
>
>

2022. Re: Thoughts On USPN

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 17:56:29 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <hR3h9.30320$jG2.2285290@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5345

"Marty Albert" <kc6ufm@amsat.org> wrote in message
news:0q2h9.19206$S32.1402553@news2.west.cox.net...

<deletia>

> Third, look at the big picture. In a practical sense, how big is the
> "average" (what-ever that is) disaster? How big of an area is directly
> impacted? What level of failure can you expect of the "traditional" non-Ham
> communications infrastructure? I have been in tornados in the Midwest and,
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> Chicago? Chicago is toast, but Little Rock is intact. See what I mean?
> Disasters tend to be, by their very nature, local in scope. Sometimes the
> "local scope" is indeed a bit large, but the majority of the infrastructure,
> in the big picture, will remain intact.

<deletia>

There is no "average disaster". The questions we should be asking
(and that some of us ARE asking) the agencies we might serve
are "What can we do to help" and "What are your requirements".

The response I've gotten runs along these lines:

1. There are local emergencies that do not require communication
outside the typical 2M line of sight range because simple short links
will get information to an area unaffected by the disaster.

Local flooding is one example.

2. There are regional emergencies that require a greate deal of
intra-region communication, and require long haul links to areas
unaffected by the emergency.

The Loma Prieta and Mexico City earthquakes are examples
where digital radio links played an important role.

3. There are emergencies with large national effect that will need
everything hams can possibly provide.

We have not had one of these since WW-II.

What can the digital modes provide?

They CAN provide reliable transport of bulk data such as situation reports, staffing rosters, requests for material, bills of lading, status summary spread sheets, etc.

They CAN handle large quantities of health and welfare messages.

They CANNOT provide tactical communications. When you need those ten ambulences moved to ten different places right now, you use VHF/UHF voice.

Of course, if we do not have a working network already in place, used and tested, with a supply of Hams that know how to use it, we cannot supply anything at all.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2023. Re: Thoughts On USPN

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 18:05:23 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <DZ3h9.30328$jG2.2285888@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5346

"Marty Albert" <kc6ufm@amsat.org> wrote in message
news:0q2h9.19206$S32.1402553@news2.west.cox.net...

> Forth, and perhaps this is really more of a summary of all of the above,
> consider the integration of both Amateur and other systems into one cohesive
> network. For example, I have an ATM drop at my office at 622 Mbps. I think
> that you could safely say that Hams will never be able to provide that kind
> of bandwidth or reliability on any but the smallest scale. Yes, it is true
> that I can loose that ATM line in a local disaster. But, what if the
> disaster is in, let's say, LA. Is it unreasonable for me to make use of that
> ATM to send messages back to Washington DC that were originated by a Ham
> using RF in LA? Without boring everyone with the technical side, I could
> send a 100M message from San Diego to Washington DC via the ATM link in just
> under 0.25 seconds. How long would that same message take going via RF
> links? If we assume an RF link at T1 speeds (1.544 Mbps) it would take at
> least 2 minutes. On a more reasonable RF network of 256 Kbps, you're looking
> at close to 12 hours.

Of course one uses any means possible to handle emergency traffic.
In fact we are required to do so.

If we do not have a working RF network, it is not possible to
get the data out of the area affected by the emergency and into
an area that has working internet (and voice telephone) connectivity.

If our entire digital network RELIES ON and REQUIRES the
internet to function (as it does now) then the RF network that
might exist is unused and will fail in an emergency. The last few
simulated emergency tests showed just how bad the situation
actually is. They failed. Almost totally.

The fact we cannot build a network that runs at T1 or ATM speed
is a straw man. When our network (if we had one) is needed, there
is NO other connectivity available. Even 300 baud packet is better
than a complete inability to handle any traffic at all.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2024. Re: Thoughts On USPN

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 18:10:16 UTC
From: Marty Albert <kc6ufm@amsat.org>
Message-ID: <c24h9.19532$S32.1430141@news2.west.cox.net>
Source record: 5347

Hank:

Thanks for your input... You and I have failed to agree on many points in the past, but you usually try to stick to the facts at hand, as much as any of us can, and I respect and admire you for that.

I both agree and disagree with you... I think that such a network can be rebuilt, but it will take a lot of work and many, many compromises and I think that is, unless I misunderstand you, what we are both saying.

One thing that I am sure of is that people will not come (back) to packet just because they are required to provide emergency communications... I think that, as I said before, it must offer them something that they want and, perhaps more important, it must be fun.

How to do that?

Many seem to find APRS fun and to provide something that they want... Personally, I never found it all that much fun or useful, but that's just me.

Keyboard to keyboard chats are fun, but the latency is a killer... Sort of a chicken or the egg deal here, eh? Get better networks and the latency goes down but there is no one who wants to build a new network because the latency is so high... Maybe...

Internet-like content on Ham Radio Web Sites? Maybe... If it weren't for that latency bug-a-boo...

BBS services with bulletins? Give me a break! Most of the bulletins are 100% pure mindless drivel... Sort of the Usenet via RF with all of the flamers, trolls, you-name-them!

E-Mail? Perhaps... Just maybe...

To be honest, as you well know, Hank, I was one of your so-called Land Line Lids at a point in the past. But, I have come to be more of your view in recent years. Perhaps not as rabid (no offense intended), but I can see the sort of problems that unrestricted integration might cause. The fact is, to get users, we do have to, at least to some point, compete with the Internet. We have to offer folks things that they want and need in a usable fashion.

We have to "win over" people as opposed to beating them down... The attacks, banning, blacklists, black balling, etc. only serves to further fragment and alienate the very people that we need.

Well, I suspect that I have rattled enough to get a few folks on their hind legs, so I'll stop for now...

Thanks again!

Take Care & 73

Marty Albert
KC6UFM

"Hank Oredson" <horedson@att.net> wrote in message
news:EB3h9.30299$jG2.2282916@bgtnsc05-news.ops.worldnet.att.net...
>
> "Marty Albert" <kc6ufm@amsat.org> wrote in message
> news:0q2h9.19206$S32.1402553@news2.west.cox.net...
>
> <deletia>
>
> > First, be more open... Would it be nice to have a 100% Amateur RF world
wide
> > digital network? You bet it would! Wonderful, in fact! Is it possible? I
am
> > not so sure of that one. Past performance has indicated that this may be
a
> > pipe dream. I hope with all my heart that I am wrong.
>
>
> <deletia>
>
> For emergency services needs we do not require a world-wide network.
> We do need a network that reaches beyond each local area, and once
> we rebuild such a network, it will be again capable of covering the whole
> country. We HAD such a network in the past. It was used with excellent
> success during several major emergencies. That network no longer exists,
> and cannot now be rebuilt. Why? Lack of interest, lack of will, and severe
> interference from the Land Line Lids. That game appears to be over.
>
> The next question one might ask is "Can we build useful regional nets."
> The answer also appears to be that we cannot, for the same reasons.
>
> What must change to allow progress? The interference from the Land
> Line Lids must be removed. If you had some Lid playing music through
> your local 2M repeater 24 hours a day, with 1 KW amplifier on the
> repeater input you would either shut down the repeater, or get that
> Lid off air. The situation in the digital networks is exactly the same.
>
> In a few areas of the country this has been accomplished, and the
> digital networks are again showing growth. Those areas that rely
> on the crutch of "playing radio over the internet" show a decline
> in the use of Ham Radio networking.
>
> It's that simple.
>
> --
>

> ... Hank
>
> Hank: http://horedson.home.att.net
> W0RLI: http://w0rli.home.att.net
>
>

2025. Re: Thoughts On USPN

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 18:13:23 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <754h9.30334$jG2.2287137@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5348

Oh for heavens sake Marty stop obfuscating!
USPN is a FORUM.
It's not USENET.
It's not a corporation.
It's not a club.

It is a place to gather and exchange information, with a specific
set of assumptions on what types of information will be exchanged
and what behavior is expected of the participants.

Simple, eh?
If you don't like it, don't make use of it.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"Marty Albert" <kc6ufm@amsat.org> wrote in message
news:XO3h9.19457$S32.1426670@news2.west.cox.net...
> Charles,
>
> Are you going to answer the questions? Just who is USPN? Who are the
> members? Where are the by-laws? Who are the officers? Were they elected,
> appointed, or just did they just take over?
>
> You make me very suspicious of your motives by hiding these facts.
>
> You can't make the questions go away by ignoring them and trying to skirt
> the issues, Charles. All you need to do is publish a roster, the USPN
> by-laws, and a list of officers. A simple matter.
>
> Once again, in case you missed it, I think that the basic premise of USPN is
> a good one... Get communication and, thereby, cooperation within the ranks
> of those who have the skills and knowledge needed to build a network going.
> I just disagree with your concept that you have to be critical and abusive
> of others to do that and that you have to hide the activities and structure
> of the USPN to make things happen.
>
> And what does TAPR have to do with this discussion? I personally think that
> they are fanatics and want nothing to do with them. You are preaching to the
> choir here.
>
> Any chance that you will actually address the issues as opposed to ranting?

>
> Take care & 73
>
> Marty Albert
> KC6UFM
>
>
> "charlesb" <n5pvl@sbcglobal.net> wrote in message
> news:Al3h9.18071$Sy7.721044608@newssvr11.news.prodigy.com...
> >
> > "Marty Albert" <kc6ufm@amsat.org> wrote in message
> > news:0q2h9.19206$S32.1402553@news2.west.cox.net...
> > >
> > >
> > > Hello, All.
> > >
> > > About 5 weeks ago, I asked several questions here in the group about the
> > > USPN and got, basically, no answer, so I will try again, using the USPN
> > > Mission Statement from the web site (http://www.uspacket.net) as a sort
> of
> > > frame-work for my questions and comments.
> > >
> >
> > Another frustrated TAPR Troll.
> >
> > Marty, when you look at the USPN web site, or participate in the Forums
> > there, what you see is what you get. USPN is a work in progress, and when
> an
> > announcement is warranted about USPN, you will find it on the NEWS page at
> > USPN. This will occur when USPN sees it as necessary, not when a Troll
> does.
> >
> > It's a take it or leave it deal, OM. I suggest you have your little fit of
> > venom and get over it. Since your interests are best reflected by what can
> > be found at TAPR, I can only suggest that you would find that
> participation
> > in their policies and paradigm would be best for you.
> >
> > The essential difference between USPN and TAPR, OM, is that USPN is
> looking
> > at what successful amateur packet radio networkers do, and deriving policy
> > from what we see there. TAPR, on the other hand, let a small group of
> > self-appointed "experts" determine that only amateur tcpip is worth
> > pursuing. Since then, TAPR has put in over ten years of pushing tcpip in
> > conferences, seminars, magazines and web-sites while discouraging anything
> > else. - With zero results. That's what folks call being "exclusive", I
> would
> > suppose... In addition to tcpip, TAPR has consistently pushed the idea of
> > amateur packet radio being a parasite, utterly dependent upon the Internet
> > for connectivity. Amateur packet radio networking (using radio) has not

> been
> > encouraged at TAPR, only small tcpip LANs linked up by the internet.
> >
> > So.... When I found out that there are a good number of growing, active
> > packet radio networks around the U.S., most uncharacteristic of the
> > hopeless, moribund lack of growth we have come to expect from TAPR's
> policy
> > and paradigm, I was not surprised to find all of these successful networks
> > and networkers were simply ignoring TAPR. - And that was good enough for
> > USPN.
> >
> > We go with the winners, the networkers who put hams on the air and get
> > things done when everyday communications are distressed by an emergency or
> > disaster. We go with what works. You would be happier I'm sure with TAPR,
> > and nobody is preventing you from doing so. I regularly recommend TAPR to
> > hams who are not interested in participating in USPN, or cannot handle our
> > policy of putting results and accomplishment ahead of protocol, in our
> > policy.
> >
> > Persons like yourself, who do not understand why hams should communicate
> via
> > radio if they wish to develop their capability there, are not really
> suited
> > for, or sympathetic to several of USPN's goals, most obviously being the
> > promotion of a national amateur radio digital network.
> >
> > So hang out with the TAPR folks, and don't sweat it. You are under no
> > obligation to participate in USPN, but if you have a change of heart about
> > the hobby and decide to do so, nothing will prevent you then from joining
> in
> > on the effort. Anyone who reads and understands the USPN Mission Statement
> > and finds themselves wanting to participate are always welcome.
> >
> > Charles, N5PVL
> > webmaster@uspacket.net
> > http://www.uspacket.net
> >
> >
> >
> >
> >
> >
> >
> >
> >
>
>

2026. Re: Thoughts On USPN

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 18:21:46 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <_c4h9.30349$jG2.2287772@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5349

"Marty Albert" <kc6ufm@amsat.org> wrote in message
news:c24h9.19532$S32.1430141@news2.west.cox.net...
> Hank:
>
> Thanks for your input... You and I have failed to agree on many points in
> the past, but you usually try to stick to the facts at hand, as much as any
> of us can, and I respect and admire you for that.
>
> I both agree and disagree with you... I think that such a network can be
> rebuilt, but it will take a lot of work and many, many compromises and I
> think that is, unless I misunderstand you, what we are both saying.

I only addressed the emergency services aspects, to try and keep
things "... as simple as possible and no simpler" (A. Einstein)

> One thing that I am sure of is that people will not come (back) to packet
> just because they are required to provide emergency communications... I
> think that, as I said before, it must offer them something that they want
> and, perhaps more important, it must be fun.
>
> How to do that?
>
> Many seem to find APRS fun and to provide something that they want...
> Personally, I never found it all that much fun or useful, but that's just
> me.

Not useful for emergency services.
HF/VHF/UHF voice works better for this function.

> Keyboard to keyboard chats are fun, but the latency is a killer... Sort of a
> chicken or the egg deal here, eh? Get better networks and the latency goes
> down but there is no one who wants to build a new network because the
> latency is so high... Maybe...

Not useful for emergency services.
VHF/UHF voice works better for this function.

> Internet-like content on Ham Radio Web Sites? Maybe... If it weren't for
> that latency bug-a-boo...

Again probably not useful, but I did not ask the question of
the emergency services folks.

> BBS services with bulletins? Give me a break! Most of the bulletins are 100%
> pure mindless drivel... Sort of the Usenet via RF with all of the flamers,
> trolls, you-name-them!

Exactly what is wanted. See my comments about bulk transport.

> E-Mail? Perhaps... Just maybe...

Also exactly what is wanted.

> To be honest, as you well know, Hank, I was one of your so-called Land Line
> Lids at a point in the past. But, I have come to be more of your view in
> recent years. Perhaps not as rabid (no offense intended), but I can see the
> sort of problems that unrestricted integration might cause. The fact is, to
> get users, we do have to, at least to some point, compete with the Internet.
> We have to offer folks things that they want and need in a usable fashion.

I'm not rabid on the topic. For the record we have ... um ... ten tcp/ip
systems on air locally. All of them COULD use the internet for forwarding,
or anything else for that matter. We have tested the capability and it works
fine. Was trivial to set up. But we choose to use Ham Radio and not RELY
on the internet connectivity. But it is there and tested if needed.

> We have to "win over" people as opposed to beating them down... The attacks,
> banning, blacklists, black balling, etc. only serves to further fragment and
> alienate the very people that we need.

How will you "win over" that Lid with the KW worth of rap music
on your 2M repeater input? You don't even try: you BAN them.

First we need to get rid of the Lids. Then we can build a network.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2027. Re: Thoughts On USPN

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 18:24:51 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <Tf4h9.38255$3k4.24195@news1.central.cox.net>
Source record: 5350

"Hank Oredson" <horedson@att.net> wrote
> Oh for heavens sake Marty stop obfuscating!
> USPN is a FORUM.
> It's not USENET.
> It's not a corporation.
> It's not a club.

Marty,

Think of it this way, the USPN is Charles personal web page.
The "we" he uses, refers to him and his ISP. He wants to
attract people to it, much like the 1965 Rambler Club
wants to attract people. But if you show up in a 1965
Ford Mustang, or advocate things other than a Rambler,
then you will probably be an outcast from his web page.

No offense to Rambler owners.

2028. Re: Thoughts On USPN

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 18:31:49 UTC
From: Marty Albert <kc6ufm@amsat.org>
Message-ID: <pm4h9.19612$S32.1438560@news2.west.cox.net>
Source record: 5251

But it was/is being presented as an organization, not as a forum... The fact that it is a forum, if that is really what it is, needs to be made clear to all.

That is what the infamous "we" of USPN needs to do.

Now that is simple!

"Hank Oredson" <horedson@att.net> wrote in message news:754h9.30334$jG2.2287137@bgtnsc05-news.ops.worldnet.att.net...
> Oh for heavens sake Marty stop obfuscating!
> USPN is a FORUM.
> It's not USENET.
> It's not a corporation.
> It's not a club.
>
> It is a place to gather and exchange information, with a specific
> set of assumptions on what types of information will be exchanged
> and what behavior is expected of the participants.
>
> Simple, eh?
> If you don't like it, don't make use of it.
>
> --
>
> ... Hank
>
> Hank: http://horedson.home.att.net
> W0RLI: http://w0rli.home.att.net

<big snip>

2029. Re: Thoughts On USPN

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 18:37:33 UTC
From: Marty Albert <kc6ufm@amsat.org>
Message-ID: <Nr4h9.19627$S32.1440427@news2.west.cox.net>
Source record: 5252

hmmm... I had a 65 Rambler once...

It is clear, at least to me, that it is a personal web page, like half a trillion other out there. So it needs to be presented as such and not as the end-all authority on anything. Ever try FreeNet? There are many sites there that are part-and-parcel with this line.

Anyway...

People need to understand that USPN speaks for no one. It is a forum, nothing more, and, as Hank said, use it or don't. It has no relevance to anything apart from ego.

Then again, I know of at least two VHF/UHF Frequency Coordinating bodies that started just this way... Of course, everyone ignores them, too.

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:Tf4h9.38255$3k4.24195@news1.central.cox.net...
> "Hank Oredson" <horedson@att.net> wrote
> > Oh for heavens sake Marty stop obfuscating!
> > USPN is a FORUM.
> > It's not USENET.
> > It's not a corporation.
> > It's not a club.
>
> Marty,
>
> Think of it this way, the USPN is Charles personal web page.
> The "we" he uses, refers to him and his ISP. He wants to
> attract people to it, much like the 1965 Rambler Club
> wants to attract people. But if you show up in a 1965
> Ford Mustang, or advocate things other than a Rambler,
> then you will probably be an outcast from his web page.
>
> No offense to Rambler owners.
>
>

2030. Re: Thoughts On USPN

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 19:39:47 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <7m5h9.14098$1C2.1142398@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5254

That is why I used "is" instead of "is intended to be".
Perhaps it will become an organization at some point.
Charles made this clear, or at least it was clear to me.

I did spend the time to read the charter and peruse the
various threads on the site, and signed up and posted
a comment. (i.e. did my homework :-)

How else to get an organization started, other than
to attempt to gather folks together to discuss it?

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"Marty Albert" <kc6ufm@amsat.org> wrote in message
news:pm4h9.19612$S32.1438560@news2.west.cox.net...
>
>
> But it was/is being presented as an organization, not as a forum... The fact
> that it is a forum, if that is really what it is, needs to be made clear to
> all.
>
> That is what the infamous "we" of USPN needs to do.
>
> Now that is simple!
>
>
> "Hank Oredson" <horedson@att.net> wrote in message
> news:754h9.30334$jG2.2287137@bgtnsc05-news.ops.worldnet.att.net...
> > Oh for heavens sake Marty stop obfuscating!
> > USPN is a FORUM.
> > It's not USENET.
> > It's not a corporation.
> > It's not a club.
> >
> > It is a place to gather and exchange information, with a specific
> > set of assumptions on what types of information will be exchanged
> > and what behavior is expected of the participants.
> >
> > Simple, eh?
> > If you don't like it, don't make use of it.
> >

> > --
> >
> > ... Hank
> >
> > Hank: http://horedson.home.att.net
> > W0RLI: http://w0rli.home.att.net
>
> <big snip>
>
>

2031. Re: Thoughts On USPN

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 19:41:21 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <Bn5h9.14100$1C2.1145921@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5255

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:Tf4h9.38255$3k4.24195@news1.central.cox.net...
> "Hank Oredson" <horedson@att.net> wrote
> > Oh for heavens sake Marty stop obfuscating!
> > USPN is a FORUM.
> > It's not USENET.
> > It's not a corporation.
> > It's not a club.
>
> Marty,
>
> Think of it this way, the USPN is Charles personal web page.
> The "we" he uses, refers to him and his ISP. He wants to
> attract people to it, much like the 1965 Rambler Club
> wants to attract people. But if you show up in a 1965
> Ford Mustang, or advocate things other than a Rambler,
> then you will probably be an outcast from his web page.
>
> No offense to Rambler owners.

Why say "outcast" when you mean "off topic"?

Exactly the same as folks who discuss using the internet
to bypass radio links here in this newsgroup. Lids.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2032. Re: Thoughts On USPN

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 19:49:46 UTC
From: Marty Albert <kc6ufm@amsat.org>
Message-ID: <uv5h9.20119$S32.1460745@news2.west.cox.net>
Source record: 5256

Where did you find the charter, Hank? I have looked, read the forums, did a suck of the web server, and sent Charles 4 E-Mails and still no charter.

Thanks!

"Hank Oredson" <horedson@att.net> wrote in message news:7m5h9.14098$1C2.1142398@bgtnsc04-news.ops.worldnet.att.net...
> That is why I used "is" instead of "is intended to be".
> Perhaps it will become an organization at some point.
> Charles made this clear, or at least it was clear to me.
>
> I did spend the time to read the charter and peruse the
> various threads on the site, and signed up and posted
> a comment. (i.e. did my homework :-)
>
> How else to get an organization started, other than
> to attempt to gather folks together to discuss it?
>
> --
>
> ... Hank
>
> Hank: http://horedson.home.att.net
> W0RLI: http://w0rli.home.att.net
>
> "Marty Albert" <kc6ufm@amsat.org> wrote in message
> news:pm4h9.19612$S32.1438560@news2.west.cox.net...
> >
> >
> > But it was/is being presented as an organization, not as a forum... The fact
> > that it is a forum, if that is really what it is, needs to be made clear to
> > all.
> >
> > That is what the infamous "we" of USPN needs to do.
> >
> > Now that is simple!
> >
> >
> > "Hank Oredson" <horedson@att.net> wrote in message
> > news:754h9.30334$jG2.2287137@bgtnsc05-news.ops.worldnet.att.net...
> > > Oh for heavens sake Marty stop obfuscating!
> > > USPN is a FORUM.
> > > It's not USENET.

> > > It's not a corporation.
> > > It's not a club.
> > >
> > > It is a place to gather and exchange information, with a specific
> > > set of assumptions on what types of information will be exchanged
> > > and what behavior is expected of the participants.
> > >
> > > Simple, eh?
> > > If you don't like it, don't make use of it.
> > >
> > > --
> > >
> > > ... Hank
> > >
> > > Hank: http://horedson.home.att.net
> > > W0RLI: http://w0rli.home.att.net
> >
> > <big snip>
> >
> >
>
>

2033. Re: Thoughts On USPN

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 20:00:30 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <yF5h9.14121$1C2.1145269@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5257

Right here in this newsgroup.

Of course I didn't assume it would have "CHARTER"
pasted all over it in bright blue neon letters :-)

Remember: there is NOT an organization yet.
Part of building an organization is to create a charter.
Charles has posted his particular ideas for a charter
several times. Others may agree with them or not.

Perhaps you might discuss this in the forum itself,
which is where the issues will be hashed out ... if
indeed the whole concept gets off the ground.

Of course you could suggest a different proposal,
create a discussion group, and contribute your own
attempt to move things forward. I'd look at that too.

The interesting point about this newsgroup is that
what is posted here DOES cause things to happen.
Generally the folks who actually DO something will
not post here, but will go ahead and DO that something.

That's why I find it worth my time to contribute :-)

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"Marty Albert" <kc6ufm@amsat.org> wrote in message
news:uv5h9.20119$S32.1460745@news2.west.cox.net...
> Where did you find the charter, Hank? I have looked, read the forums, did a
> suck of the web server, and sent Charles 4 E-Mails and still no charter.
>
> Thanks!

2034. Re: USPN Mission Statement

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 20:07:08 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <ML5h9.38817$3k4.4380@news1.central.cox.net>
Source record: 5258

"lak" <lak@radio.land.com> wrote

> I just tuned into this thread and have the following comments below
> to the comments!

Okie Dokie

> In what way is the original author "violently exclusive in working with others"

Everything wrong with Packet Radio is the fault of a non-profit group that
produced a version of the Packet TNC. A group that not only designed
things, but developed and sold them.

> I saw no threats of violence indicated in the original text.

"Vehemence of feeling or expression; fervor."--American Heritage Dictionary

> As far as statement of purpose, to me his statement was meant to influence
> a cooperative atmosphere amongst American Hams based upon an event
> that had widespread impact upon the American people.

I can't deny it. The statement is meant to capitalize on the tragedy, much
like the Satanic pin-heads who print T-shirts with "Let's Roll" on them.
But it is not true. You merely have to read his publishing of a private email
and response to the Chicago Amateurs who wanted to become associated
with his mission statement.

> In fact, Steve (using your definition of "violently") you have shown you
> are "violently" opposed to the person's views as stated in the original post.
> You accuse him of perpratrating a lie with the statement, "Areas outlined in
> blue mis-state your purpose (lie)." Enlighten me as to what the "lie" is,
> as the "lie" just does not jump out and make me see the light!

You snipped it out:

>> Now is the time for amateur packet radio networkers [SIC] to
>> share information,

Unless they are members of TAPR, or appreciate their leadership. [Lie 1]

> get to know each other and work together more closely than they ever have
> before.

Read the response to CAPRA. [Lie 2]

> We will be addressing a challenge, answering to a mandate and having
> a good deal of fun while we are at it. It is this spirit within the hobby
> that USPN is here to facilitate.

Read the public response to the private email from CAPRA. [Lie 3]
Reading it was not "fun" and was not in the "spirit" of Amateur Radio.
The only thing being "facilitate" is hate of fellow experimenters.

> Reading "between the lines" of your critical review it appears you take
> exception to two issues:
>
> 1. George Bush and the government of the United States.
> 2. The right of the American Hams to establish an Emergency Packet Network
> to insure communications when another "Jihad" event takes place.

I take exception to anyone (pin-heads, or talking-heads) using a tragedy
to advance their cause. There, you no longer have to read between the lines.

> I don't know what or who the USPN is but at least they trying to do
> something that sounds reasonably constructive to me.

Think of it this way. When a faction of Americans shut down the forest
industry, they did so with fantastic rhetoric. Today we have nothing but
burning embers where nature corrected the mismanagement. That was a
tragedy, and no one will listen to that faction again.

> Even if they do not use their spell-checker!

Write back when all you have are embers (loss of spectrum).

> Kathy
>
> BTW, sorry if my lowly old BSEE does not make as literate or eloquent
> as you are but I did run my spell checker! Besides us engineer are socially
> inept and illiterate as everyone nose!

I don't consider myself eloquent (and you will find no one who does), and
your achieving a degree in a very tough field is admirable.

2035. A digital SSB modulator (FPGA based)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 20:52:59 UTC
From: IV3NWV <nicolangelo.palermo@tin.it>
Message-ID: <3D84F32A.7080708@tin.it>
Source record: 5259

Hi everybody.

I've recently developed a 9MHz digital SSB exciter. Unlike others
modulator it is not based on a DSP microcontroller, but fits into a
30,000 gate XC2S30 FPGA.

Those interested in the subject please check the following url:

http://www.microtelecom.it/ssbdex

Best 73,
Nico Palermo, IV3NWV

---
iv3nwv@microtelecom.it

2036. Re: USPN Mission Statement

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 21:34:13 UTC
From: lak <lak@radio.land.com>
Message-ID: <am2unk$v0v$1@news.chatlink.com>
Source record: 5260

Rather than get into a protracted wordsmith battle over who is right or wrong in the world of Packet Radio,
I am closing this thread on my part with these thoughts.

I don't know about forrest or any other stuff mention but, havinge been to Kuwait, Turkey and other
destinations to the East as part of my job. The people are not the glowing Saints of Islam they portray
themselves to be. They use trickery and lies to obtain their goals, especially those with the money. They
mistreat women far worse then CNN or any media enlightened individual can ever imagine. I know
because another NCO and I were shot at as we crossed a golf course in Turkey because they don't
like American woman in particular!

I take exception to your referral to the President Bush as a "pin head". Mr. Gore would not have been
able to handle the situation any better. After spending 5 years in the DC area, I learned his kind of
weasel thrives on the misfortunes of others by pretending to be their champion for a price, giving them
federal handouts and making them dependant upon the Federal Trough for their food.

I apologize to the rest of the Hams out there for going out on soap box.

Kathy

BTW, I replied intact, the message must have been posted with items missing and our newsgroup only had
this one message.

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message news:ML5h9.38817$3k4.4380@news1.central.cox.net...
> "lak" <lak@radio.land.com> wrote
>
> > I just tuned into this thread and have the following comments below
> > to the comments!
>
> Okie Dokie
>
> > In what way is the original author "violently exclusive in working with others"
>
> Everything wrong with Packet Radio is the fault of a non-profit group that

> produced a version of the Packet TNC. A group that not only designed
> things, but developed and sold them.
>
> > I saw no threats of violence indicated in the original text.
>
> "Vehemence of feeling or expression; fervor."--American Heritage
Dictionary
>
> > As far as statement of purpose, to me his statement was meant to
influence
> > a cooperative atmosphere amongst American Hams based upon an event
> > that had widespread impact upon the American people.
>
> I can't deny it. The statement is meant to capitalize on the tragedy,
much
> like the Satanic pin-heads who print T-shirts with "Let's Roll" on them.
> But it is not true. You merely have to read his publishing of a private
email
> and response to the Chicago Amateurs who wanted to become associated
> with his mission statement.
>
> > In fact, Steve (using your definition of "violently") you have shown you
> > are "violently" opposed to the person's views as stated in the original
post.
> > You accuse him of perpratrating a lie with the statement, "Areas
outlined in
> > blue mis-state your purpose (lie)." Enlighten me as to what the "lie"
is,
> > as the "lie" just does not jump out and make me see the light!
>
> You snipped it out:
>
> >> Now is the time for amateur packet radio networkers [SIC] to
> >> share information,
>
> Unless they are members of TAPR, or appreciate their leadership. [Lie 1]
>
> > get to know each other and work together more closely than they ever
have
> > before.
>
> Read the response to CAPRA. [Lie 2]
>
> > We will be addressing a challenge, answering to a mandate and having
> > a good deal of fun while we are at it. It is this spirit within the
hobby
> > that USPN is here to facilitate.
>
> Read the public response to the private email from CAPRA. [Lie 3]
> Reading it was not "fun" and was not in the "spirit" of Amateur Radio.

> The only thing being "facilitate" is hate of fellow experimenters.
>
> > Reading "between the lines" of your critical review it appears you take
> > exception to two issues:
> >
> > 1. George Bush and the government of the United States.
> > 2. The right of the American Hams to establish an Emergency Packet
Network
> > to insure communications when another "Jihad" event takes place.
>
> I take exception to anyone (pin-heads, or talking-heads) using a tragedy
> to advance their cause. There, you no longer have to read between the
lines.
>
> > I don't know what or who the USPN is but at least they trying to do
> > something that sounds reasonably constructive to me.
>
> Think of it this way. When a faction of Americans shut down the forest
> industry, they did so with fantastic rhetoric. Today we have nothing but
> burning embers where nature corrected the mismanagement. That was a
> tragedy, and no one will listen to that faction again.
>
> > Even if they do not use their spell-checker!
>
> Write back when all you have are embers (loss of spectrum).
>
> > Kathy
> >
> > BTW, sorry if my lowly old BSEE does not make as literate or eloquent
> > as you are but I did run my spell checker! Besides us engineer are
socially
> > inept and illiterate as everyone nose!
>
> I don't consider myself eloquent (and you will find no one who does), and
> your achieving a degree in a very tough field is admirable.
>
>

2037. Re: A digital SSB modulator (FPGA based)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 22:04:36 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <Ut7h9.39036$3k4.32477@news1.central.cox.net>
Source record: 5261

Sounds great! Pretty neat. I tried the site, and the
pictures don't show, but the text is very interesting.

Steve

"IV3NWV" <nicolangelo.palermo@tin.it> wrote
> Hi everybody.
>
> I've recently developed a 9MHz digital SSB exciter. Unlike others
> modulator it is not based on a DSP microcontroller, but fits into a
> 30,000 gate XC2S30 FPGA.
>
> Those interested in the subject please check the following url:
>
> http://www.microtelecom.it/ssbdex
>
> Best 73,
> Nico Palermo, IV3NWV

2038. Re: USPN Mission Statement

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 22:36:06 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <qX7h9.39067$3k4.25413@news1.central.cox.net>
Source record: 5262

"lak" <lak@radio.land.com> wrote
>
> I don't know about forrest or any other stuff mention but, havinge been to
> Kuwait, Turkey and other destinations to the East as part of my job.
> The people are not the glowing Saints of Islam they portray themselves
> to be. They use trickery and lies to obtain their goals, especially those
> with the money.

I spent 8 years going back and forth to Riyadh, and flew missions there during the Iran-Iraq war, and the Iraq war before I retired. Suffice to say, Arabia is nothing more than a culture of what we call merchants. They will sell you whatever they have, whether it has value or not. That is their culture. They have no national parks. There is no Disneyland, and there is no excuse for their existance, except to be merchants.

> I take exception to your referral to the President Bush as a "pin head".

No. That's not even close to what I said. I referred to those who would use the tragedy of 9/11 in their mission statement as pin-heads.

2039. Re: A digital SSB modulator (FPGA based)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 22:40:18 UTC
From: IV3NWV <nicolangelo.palermo@tin.it>
Message-ID: <3D850C4D.9050404@tin.it>
Source record: 5263

Oops! ...I should take some more holidays.
Now figures should be at the right place.
Thanks,

Nico, IV3NWV

Steve, K5OKC wrote:
> Sounds great! Pretty neat. I tried the site, and the
> pictures don't show, but the text is very interesting.
>
> Steve
>
> "IV3NWV" <nicolangelo.palermo@tin.it> wrote
>
>>Hi everybody.
>>
>>I've recently developed a 9MHz digital SSB exciter. Unlike other
>>modulators it is not based on a DSP microcontroller, but fits into a
>>30,000 gate XC2S30 FPGA.
>>
>>Those interested in the subject please check the following url:
>>
>>http://www.microtelecom.it/ssbdex
>>
>>Best 73,
>>Nico Palermo, IV3NWV

2040. Re: Thoughts On USPN

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-15 22:52:05 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <pa8h9.18113$ii1.760570043@newssvr11.news.prodigy.com>
Source record: 5264

"Marty Albert" <kc6ufm@amsat.org> wrote in message
news:XO3h9.19457$S32.1426670@news2.west.cox.net...
> Charles,
>
> Are you going to answer the questions? Just who is USPN? Who are the
> members? Where are the by-laws? Who are the officers? Were they elected,
> appointed, or just did they just take over?
>
> You make me very suspicious of your motives by hiding these facts.
>

Enjoy!

Charles, N5PVL
webmaster@uspacket.net
http://www.uspacket.net

2041. More Packet Radio, Less B.S.?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-16 08:44:54 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <aSgh9.2541$ly5.893512796@newssvr12.news.prodigy.com>
Source record: 5265

Would you like more discussion of Packet Radio, and less BS? Having trouble getting anything pertinent to the hobby discussed here, due to the "noise level"?

Try the USPN Forum at: http://www.uspacket.net

At USPN, the discussion of packet radio does not get lost in the noise level.

Charles, N5PVL
webmaster@uspacket.net
http://www.uspacket.net

2042. Re: PSK31 other than on 20M?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-16 12:10:16 UTC
From: N4IXT <n4ixt@arrl.net>
Message-ID: <amhm22$617pn$1@ID-105647.news.dfncis.de>
Source record: 5240

Thanks Ed!

I also have been looking on the other bands for PSK activity, and have found nothing outside 20. I will begin monitoring the other frequencies you listed (I had 7080 for 40 and 21080 on 15 for some reason). Would love to try some on 160 too (I have 1838.150 listed as the base freq there.)

73's,

Robert / N4IXT

"Ed Bruchac " <ebruchac@aol.comnojunk> wrote in message news:20020908111702.13495.00002062@mb-cn.aol.com...
> The correct 40M PSK freq.,for the Americas,is 7.070--good stateside contacts
> nights.
> 30M=10.137.5--occasional activity
> 15M=21.070----good ,when bands are open
> The bands haven't been particularly good,lately,and PSK activity is a little
> harder to copy.
> 73,
> Ed N4ZUM
>
>
> **Remove the,"nojunk" to email.**
>
> "A Picture is Worth a Thousand Words...but uses a thousand times more memory."
>
>

2043. Re: More Packet Radio, Less B.S.?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-16 13:23:55 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <LXkh9.40922$3k4.36521@news1.central.cox.net>
Source record: 5266

There's only 20 messages?? There's no noise, because there's
no response. Most of the messages are posted by you.

Good luck

"charlesb" <n5pvl@sbcglobal.net> wrote
> Would you like more discussion of Packet Radio, and less BS? Having trouble
> getting anything pertinent to the hobby discussed here, due to the "noise
> level"?
>
> At USPN, the discussion of packet radio does not get lost in the noise
> level.

2044. Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-16 14:12:36 UTC
From: cprstn54zz@att.net
Message-ID: <3d85e552.46539437@news-server.optonline.net>
Source record: 5267

A member of my club is a Flexnet enthusiast. I am interested and want to try it. I have a KAM'98, as well as a Rascal hooked up to a 400MHz Celeron machine running Windows 98. I am running Pacterm for Windows. I have a 2M transceiver.

I thought I could try it out using the KAM'98 but one of the Flexnet links said that none of the KAM TNC's could handle 6Pack.

The KAM and Pacterm user guides aren't much help. Can I do Flexnet with what I have? What more do I need?

Ken KC2JDY

Ken
(to reply via email
remove "zz" from address)

2045. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-16 15:23:31 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <THmh9.32841$jG2.2402527@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5268

"Ken" <cprstn54zz@att.net> wrote in message
news:3d85e552.46539437@news-server.optonline.net...
> A member of my club is a Flexnet enthusiast. I am interested and want
> to try it. I have a KAM'98, as well as a Rascal hooked up to a 400MHz
> Celeron machine running Windows 98. I am running Pacterm for Windows.
> I have a 2M transceiver.
>
> I thought I could try it out using the KAM'98 but one of the Flexnet
> links said that none of the KAM TNC's could handle 6Pack.
>
> The KAM and Pacterm user guides aren't much help. Can I do Flexnet
> with what I have? What more do I need?
>
> Ken KC2JDY

Simplest way is to buy a junker TNC2, burn a 6PACK EPROM for it.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2046. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-16 17:10:44 UTC
From: cprstn54zz@att.net
Message-ID: <3d861027.9420218@news-server.optonline.net>
Source record: 5269

On Mon, 16 Sep 2002 15:23:31 GMT, "Hank Oredson" <horedson@att.net>
wrote:
>Simplest way is to buy a junker TNC2, burn a 6PACK EPROM for it.

Thank you. I looked at the manual for the MFJ-1702C TNC-2, but it was
no help. Where do I get the EPROM I need?

Ken KC2JDY

Ken
(to reply via email
remove "zz" from address)

2047. NEWBIE asks: "Why Packet ?"

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-16 17:25:49 UTC
From: zpxw04@hotmail.com
Message-ID: <c8e673d0.0209160925.7a64ebf5@posting.google.com>
Source record: 5270

Our local ARES unit is studying packet for serving agencies like the Red Cross, who want not only voice but data capability. Sounds like a good idea.

But... beyond the ARES application, what good is packet to me on a day-in, day-out basis as a ham ? I'm not a DXer, so the whole DXcluster thing doesn't matter to me. APRS - I'm not sure I want the whole world to know where I am.

Mobile wireless text messaging really appeals to me, though. I used to have a Blackberry email pager, and I loved it. I would be great to mimic the same functionality on the ham bands; to be able to interactively chat with someone. But I hear people saying that there isn't a whole lot of messaging going on anymore, that it's all APRS and not many live humans out there.

What's the current story, and which way is the trend-line heading ?

73,
Pete KF5ND - Houston

2048. Re: NEWBIE asks: "Why Packet ?"

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-16 18:14:58 UTC
From: Rich <rich@iwantnospam.com>
Message-ID: <slrnaoc7vb.1vj.rich@zippy.aa2ys.ampr.org>
Source record: 5271

On 16 Sep 2002 10:25:49 -0700, KF5ND <zpxw04@hotmail.com> wrote:
> Our local ARES unit is studying packet for serving agencies like the
> Red Cross, who want not only voice but data capability. Sounds like a
> good idea.
>
> But... beyond the ARES application, what good is packet to me on a
> day-in, day-out basis as a ham ? I'm not a DXer, so the whole
> DXcluster thing doesn't matter to me. APRS - I'm not sure I want the
> whole world to know where I am.
>
> Mobile wireless text messaging really appeals to me, though. I used to
> have a Blackberry email pager, and I loved it. I would be great to
> mimic the same functionality on the ham bands; to be able to
> interactively chat with someone. But I hear people saying that there
> isn't a whole lot of messaging going on anymore, that it's all APRS
> and not many live humans out there.
>
> What's the current story, and which way is the trend-line heading ?

Actually, APRS is a heck of a lot more than just position
reporting. It also includes, for example, weather telemetry, and
text messaging. ;-)

I run a local igate, and it's very cool to be able to have
text conversations with someone in CA, from New York, with only my
THD7 out in the field, in real time. Not to mention sending
email, etc.

General packet functionality was dying already when I got
licensed in 1993, and, at least around where I live, is now pretty much
all but dead. The only BBS's I've seen that are still running
seem to have been more or less just sitting in someone's basement,
and they forgot to turn the switch off.

And don't knock position reporting - my family finds it very amusing
that I have a little Perl script running on my Linux box at home
that announces, "Daddy is almost home!" through a voice
synthesizer when my car gets to within a mile of the house. ;-)

- Rich

2049. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-16 18:32:14 UTC
From: cprstn54zz@att.net
Message-ID: <3d862355.14329781@news-server.optonline.net>
Source record: 5272

On Mon, 16 Sep 2002 15:23:31 GMT, "Hank Oredson" <horedson@att.net>
wrote:
>Simplest way is to buy a junker TNC2, burn a 6PACK EPROM for it.

The more I read the more confused I get. Now I see that "end users"
can run any TNC, but that you need the 6PACK EPROM in a TNC (or is it
two TNC's) used in a "router."

Ken KC2JDY

Ken
(to reply via email
remove "zz" from address)

2050. Thanks Charles for that link

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-16 22:20:09 UTC
From: Joseph Fenn <jfenn@lava.net>
Message-ID: <Pine.BSI.4.44.0209161218340.24343-100000@malasada.lava.net>
Source record: 5273

Tnx Charles for steering us to that link. Maybe we will get enlightened
there instead of flame-war!
Joe/KH6JF
(used packet since 1984 with digicom software (the best ever)
homrbrew tnc.

****
* Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
****

2051. Re: NEWBIE asks: "Why Packet ?"

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-16 23:34:18 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <_Tth9.42749$3k4.3313@news1.central.cox.net>
Source record: 5274

"KF5ND" <zpxw04@hotmail.com> wrote
> Our local ARES unit is studying packet for serving agencies like the
> Red Cross, who want not only voice but data capability. Sounds like a
> good idea.

Let the Red Cross tell you what they require, and then find
a solution.

a) Who do they want to communicate with

1) local
2) dx

b) What quantity of data

1) Number of MS-Word pages per minute
2) Number of bytes per minute

Start with the requirements. What they want may be accomplished
with pre-arranged forms and low data rates, or may require very
high bandwidth, which would not generally be available by Amateur Radio.

2052. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-16 23:48:00 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <Q4uh9.15747$1C2.1296041@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5275

"Ken" <cprstn54zz@att.net> wrote in message
news:3d861027.9420218@news-server.optonline.net...
> On Mon, 16 Sep 2002 15:23:31 GMT, "Hank Oredson" <horedson@att.net>
> wrote:
> >Simplest way is to buy a junker TNC2, burn a 6PACK EPROM for it.
>
> Thank you. I looked at the manual for the MFJ-1702C TNC-2, but it was
> no help. Where do I get the EPROM I need?

Ask the person who runs Flexnet.
They should be able to point you to web sites with the appropriate information.
You can also type "flexnet ham radio" or some such into Google ...
If you don't have the facility to burn your own eprom, you will
need to find someone who can do it for you, or else purchase one.
No, I have no idea where you would get one.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2053. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-16 23:49:56 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <E6uh9.15749$1C2.1296416@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5276

"Ken" <cprstn54zz@att.net> wrote in message
news:3d862355.14329781@news-server.optonline.net...
> On Mon, 16 Sep 2002 15:23:31 GMT, "Hank Oredson" <horedson@att.net>
> wrote:
> >Simplest way is to buy a junker TNC2, burn a 6PACK EPROM for it.
>
> The more I read the more confused I get. Now I see that "end users"
> can run any TNC, but that you need the 6PACK EPROM in a TNC (or is it
> two TNC's) used in a "router."
>
> Ken KC2JDY

Sounds about right! The flexnet advocates seem to have trouble
explaining how you do it, and why you might want to :-)
Perhaps you need to talk to the local fella some more.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2054. Re: NEWBIE asks: "Why Packet ?"

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-16 23:54:55 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <jbuh9.15753$1C2.1296653@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5277

Please read the thread "Thoughts on USPN".

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"KF5ND" <zpxw04@hotmail.com> wrote in message
news:c8e673d0.0209160925.7a64ebf5@posting.google.com...
> Our local ARES unit is studying packet for serving agencies like the
> Red Cross, who want not only voice but data capability. Sounds like a
> good idea.
>
> But... beyond the ARES application, what good is packet to me on a
> day-in, day-out basis as a ham ? I'm not a DXer, so the whole
> DXcluster thing doesn't matter to me. APRS - I'm not sure I want the
> whole world to know where I am.
>
> Mobile wireless text messaging really appeals to me, though. I used to
> have a Blackberry email pager, and I loved it. I would be great to
> mimic the same functionality on the ham bands; to be able to
> interactively chat with someone. But I hear people saying that there
> isn't a whole lot of messaging going on anymore, that it's all APRS
> and not many live humans out there.
>
> What's the current story, and which way is the trend-line heading ?
>
> 73,
> Pete KF5ND - Houston

2055. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-17 00:04:30 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <ikuh9.29$ck7.11633864@newssvr12.news.prodigy.com>
Source record: 5278

The Northeast FlexNet Group's page has the best introductory stuff on
FlexNet I've seen.

http://www.northeastflexnet.org/

On this page, I have put together a few articles I have written about
setting up FlexNet, including examples, and links to all the relevant web
sites.

http://pages.sbcglobal.net/kb5iwt/flexdir.htm

I run the FlexNet support Forum at USPN. The URL is below. There is also a
FlexNet mailing list at QSL.NET

Charles, N5PVL
webmaster@uspacket.net
http://www.uspacket.net

"Ken" <cprstn54zz@att.net> wrote in message
news:3d862355.14329781@news-server.optonline.net...
> On Mon, 16 Sep 2002 15:23:31 GMT, "Hank Oredson" <horedson@att.net>
> wrote:
> >Simplest way is to buy a junker TNC2, burn a 6PACK EPROM for it.
>
> The more I read the more confused I get. Now I see that "end users"
> can run any TNC, but that you need the 6PACK EPROM in a TNC (or is it
> two TNC's) used in a "router."
>
> Ken KC2JDY
>
> Ken
> (to reply via email
> remove "zz" from address)

2056. Re: NEWBIE asks: "Why Packet ?"

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-17 00:31:16 UTC
From: Unclaimed Mysteries <k4doh@mindspring.com>
Message-ID: <am5t2j$lj6$1@slb4.atl.mindspring.net>
Source record: 5279

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in part:

> b) What quantity of data
>
> 1) Number of MS-Word pages per minute

AAAAAIIIIEEEEEE!!!!!

The rest is left as an exercise.

--
It Came From C. L. Smith's Unclaimed Mysteries.
http://www.unclaimedmysteries.net

"You know, the Communists had it all wrong. The best way to manage society
is through central planning of Consumption." -Dr. Awktagon

2057. Are there any QRQ modes using a sound card???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-17 00:49:59 UTC
From: Mike <mparkes@nospamatt.net>
Message-ID: <3D867C35.30301@nospamatt.net>
Source record: 5280

Just wondering if there are any modes out there that are true ARQ modes for digital communications using a sound card? (Besides amtor, pactor which I am not even sure are available using a sound card) - it seems all of the digital modes I have used (psk, mt63, mfsk etc) all use only forward error correction...
Mike AB7RU

2058. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-17 01:53:35 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <zWvh9.18574$HY3.934256895@newssvr11.news.prodigy.com>
Source record: 5281

"Ken" <cprstn54zz@att.net> wrote in message
news:3d862355.14329781@news-server.optonline.net...
> On Mon, 16 Sep 2002 15:23:31 GMT, "Hank Oredson" <horedson@att.net>
> wrote:
> >Simplest way is to buy a junker TNC2, burn a 6PACK EPROM for it.
>
> The more I read the more confused I get. Now I see that "end users"
> can run any TNC, but that you need the 6PACK EPROM in a TNC (or is it
> two TNC's) used in a "router."
>
> Ken KC2JDY

What they mean is that since FlexNet is AX25, anybody with a regular TNC can connect to and use a FlexNet node/network. You don't have to run FlexNet in order to use the network.

If you DO run FlexNet when connecting to and using a FlexNet digi, you will get much better performance than if you don't. That's why it's worthwhile to obtain a 6-pack EPROM and put it in a TNC2 clone like the MFJ 1270, rather than using the Kantronics gear with your old software. Running the old-style stuff gives you old-style performance.

If there is FlexNet network in your area, one of the node operators can probably fix you up with a 6-Pack EPROM. They do not have to be edited for individual stations or TNC's, so it is possible to have a few spares on hand that anybody can use. Worth a try, anyway!

Charles, N5PVL

2059. Re: Are there any QRQ modes using a sound card???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-17 02:46:55 UTC
From: xpyttl <xpyttl_nospam@earthling.net>
Message-ID: <uod5u6a3a7ib94@corp.supernews.com>
Source record: 5282

Most of the amateur packet modes use synchronous data, which is a bear to do in software, especially in a highly non-deterministic environment like Windoze. Modes like PSK are asynchronous, which is quite a bit easier to handle. Now that computers are getting faster and sound cards getting better, some software is starting to appear.

..

"Mike" <mparkes@nospamatt.net> wrote in message news:3D867C35.30301@nospamatt.net...
> Just wondering if there are any modes out there that are true ARQ modes
> for digital communications using a sound card? (Besides amtor, pactor
> which I am not even sure are available using a sound card) - it seems
> all of the digital modes I have used (psk, mt63, mfsk etc) all use only
> forward error correction...
> Mike AB7RU
>

2060. Re: Are there any QRQ modes using a sound card???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-17 09:29:29 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnaodtfp.6lo.nomail@linux.pe1chl.ampr.org>
Source record: 5283

xpyttl <xpyttl_nospam@earthling.net> wrote:
> Most of the amateur packet modes use synchronous data, which is a bear to do
> in software, especially in a highly non-deterministic environment like
> Windoze. Modes like PSK are asynchronous, which is quite a bit easier to
> handle. Now that computers are getting faster and sound cards getting
> better, some software is starting to appear.

This is utter nonsense. When building a DSP modem that runs on the host system and uses a soundcard, there is no difference at all between synchronous and asynchronous data. You will have to do it in software in any case.

It was true for devices like the baycom modem, where the hardware (COM port) would have been able to do async easily, and sync (HDLC) was a difficult software hack with timing problems. A hardware HDLC card (SCC card) solved that.

But in a DSP environment the thing that clocks the data into/out of the PC at fixed rate is the soundcard, and it does this in hardware. All software sitting on top of that just sings along, no matter what protocol it uses.

What can be difficult is to correctly time transmit/receive transitions. But that has nothing to do with sync/async. It is relevant to the question of making software for ARQ modes.

Rob
--
+---------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+---------------------------------+--------------------------------------+

2061. Re: Are there any QRQ modes using a sound card???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-17 11:17:54 UTC
From: Martin <mab@nothere.com>
Message-ID: <uoe3iulgll2bae@corp.supernews.com>
Source record: 5284

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
news:slrnaodtfp.6lo.nomail@linux.pe1chl.ampr.org...
> xpyttl <xpyttl_nospam@earthling.net> wrote:
> > Most of the amateur packet modes use synchronous data, which is a bear
to do
> > in software, especially in a highly non-deterministic environment like
> > Windoze. Modes like PSK are asynchronous, which is quite a bit easier
to
> > handle. Now that computers are getting faster and sound cards getting
> > better, some software is starting to appear.
>
> This is utter nonsense. When building a DSP modem that runs on the host
> system and uses a soundcard, there is no difference at all between
> synchronous and asynchronous data. You will have to do it in software in
> any case.
>

I think that the suggestion is that, in an operating system such as Windows,
there is no guaranteed latency since it may take it into its digital head to
fiddle with the disk or do a quick garbage collect at unpredictable
intervals - does your PC never "hourglass" for a couple of seconds while
tyhe disk grinds?

> It was true for devices like the baycom modem, where the hardware (COM
> port) would have been able to do async easily, and sync (HDLC) was a
> difficult software hack with timing problems. A hardware HDLC card (SCC
> card) solved that.
>
> But in a DSP environment the thing that clocks the data into/out of the PC
> at fixed rate is the soundcard, and it does this in hardware. All
software
> sitting on top of that just sings along, no matter what protocol it uses.
>
> What can be difficult is to correctly time transmit/receive transitions.
> But that has nothing to do with sync/async. It is relevant to the
question
> of making software for ARQ modes.
>
> Rob
> --
> +--------------------------------+-------------------------------------+
> | Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
> | AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
> +--------------------------------+-------------------------------------+

Martin (G8FXC & M3ABL)

2062. Re: Are there any QRQ modes using a sound card???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-17 12:31:25 UTC
From: Roger Barker <roger@peaksys.co.uk>
Message-ID: <0vyO1sAdCyh9Ewhv@peaksys.co.uk>
Source record: 5286

In article <uoe3iulgll2bae@corp.supernews.com>, Martin <mab@nothere.com>
writes
>I think that the suggestion is that, in an operating system such as Windows,
>there is no guaranteed latency since it may take it into its digital head to
>fiddle with the disk or do a quick garbage collect at unpredictable
>intervals - does your PC never "hourglass" for a couple of seconds while
>tyhe disk grinds?

You appear to be thinking in terms of implementing drivers at
application level - that ain't the way to do it!

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

2063. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-17 13:49:32 UTC
From: Shane Deering <vk3bvp@qsl.net>
Message-ID: <ctb7ma.d03.ln@vk3bvp-6.ampr.org>
Source record: 5285

Ken wrote:

> I thought I could try it out using the KAM'98 but one of the Flexnet
> links said that none of the KAM TNC's could handle 6Pack.

Then use KISS mode.

>
> The KAM and Pacterm user guides aren't much help. Can I do Flexnet
> with what I have? What more do I need?

Yes and if you like what you see then you might like to try what the others
have suggested.

>
> Ken KC2JDY

--
Shane Deering
Mail to: vk3bvp@qsl.net or vk3bvp@vk3bvp.#sev.vic.aus.oc
Visit me at http://www.qsl.net/vk3bvp/
Sent with KNode v0.7.1 on Tue Sep 17 23:44:44 EST 2002

2064. Re: Are there any QRQ modes using a sound card???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-17 14:12:13 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <1LGh9.18833$1C2.1370918@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5287

"Roger Barker" <roger@peaksys.co.uk> wrote in message
news:0vyO1sAdCyh9Ewhv@peaksys.co.uk...
> In article <uoe3iulgll2bae@corp.supernews.com>, Martin <mab@nothere.com>
> writes
> >I think that the suggestion is that, in an operating system such as Windows,
> >there is no guaranteed latency since it may take it into its digital head to
> >fiddle with the disk or do a quick garbage collect at unpredictable
> >intervals - does your PC never "hourglass" for a couple of seconds while
> >tyhe disk grinds?
>
> You appear to be thinking in terms of implementing drivers at
> application level - that ain't the way to do it!
>
> --
> Roger Barker, G4IDE - roger@peaksys.co.uk
> For UI-View go to - http://www.UI-View.com
> For WinPack go to - http://www.peaksys.co.uk

But Roger, the Windows DDK is "sooo hard" to work with :-)

I suspect you are exactly correct, and most folks are thinking in terms of VB.
VB is fine for the top level application GUI, but as you hint, the
actual device control needs to be in a device driver. That's much harder.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2065. Re: Are there any QRQ modes using a sound card???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-17 16:54:36 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnaoenic.8nu.nomail@linux.pe1chl.ampr.org>
Source record: 5288

Martin <mab@nothere.com> wrote:

> "Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
> news:slrnaodtfp.6lo.nomail@linux.pe1chl.ampr.org...
>> xpyttl <xpyttl_nospam@earthling.net> wrote:
>> > Most of the amateur packet modes use synchronous data, which is a bear
> to do
>> > in software, especially in a highly non-deterministic environment like
>> > Windoze. Modes like PSK are asynchronous, which is quite a bit easier
> to
>> > handle. Now that computers are getting faster and sound cards getting
>> > better, some software is starting to appear.

>> This is utter nonsense. When building a DSP modem that runs on the host
>> system and uses a soundcard, there is no difference at all between
>> synchronous and asynchronous data. You will have to do it in software in
>> any case.

> I think that the suggestion is that, in an operating system such as Windows,
> there is no guaranteed latency since it may take it into its digital head to
> fiddle with the disk or do a quick garbage collect at unpredictable
> intervals - does your PC never "hourglass" for a couple of seconds while
> tyhe disk grinds?

I don't run Windows (on the bare machine), so I don't have that problem.

But for protocols that do not require realtime tx/rx switching, this is
not relevant. The OS provides buffering between the soundcard and the
application, so while it may be doing something else for a while, the
sound samples should still be collected and can be processed later. As
the application is only looking at blocks of sound data sampled at a known
rate, it is not important at what time it is doing the processing.

The issue only arises when a piece of data is sent to you, and you will
have to reply to that within a certain defined time interval. You must
be certain that the incoming samples are processed, the tx line keyed,
and the output data ready at the right moment. This requires some realtime
processing.

Indeed this is the case with ARQ protocols (more with some protocols than
with others), but this has nothing to do with synchronous or asynchronous
protocols.

Rob
--
+--------------------------------+-------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |

```
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+------------------------------+--------------------------------------+
```

2066. Re: Are there any QRQ modes using a sound card???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-17 16:56:59 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnaoenmr.8nu.nomail@linux.pe1chl.ampr.org>
Source record: 5289

Hank Oredson <horedson@att.net> wrote:

> "Roger Barker" <roger@peaksys.co.uk> wrote in message
> news:0vyO1sAdCyh9Ewhv@peaksys.co.uk...
>> In article <uoe3iulgll2bae@corp.supernews.com>, Martin <mab@nothere.com>
>> writes
>> >I think that the suggestion is that, in an operating system such as Windows,
>> >there is no guaranteed latency since it may take it into its digital head to
>> >fiddle with the disk or do a quick garbage collect at unpredictable
>> >intervals - does your PC never "hourglass" for a couple of seconds while
>> >tyhe disk grinds?

>> You appear to be thinking in terms of implementing drivers at
>> application level - that ain't the way to do it!

>> --
>> Roger Barker, G4IDE - roger@peaksys.co.uk
>> For UI-View go to - http://www.UI-View.com
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> But Roger, the Windows DDK is "sooo hard" to work with :-)

> I suspect you are exactly correct, and most folks are thinking in terms of VB.
> VB is fine for the top level application GUI, but as you hint, the
> actual device control needs to be in a device driver. That's much harder.

Actually Windows provides quite good mechanisms to handle realtime
soundcard stuff from a usermode application. Games use this all the time.

Of course the soundcard driver is a device driver, but you won't have to
write it. The modem code does not really need to be a driver.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

2067. Re: Are there any QRQ modes using a sound card???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-17 19:45:37 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <BDLh9.37041$jG2.2555707@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5290

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
news:slrnaoenmr.8nu.nomail@linux.pe1chl.ampr.org...
> Hank Oredson <horedson@att.net> wrote:
>
> > "Roger Barker" <roger@peaksys.co.uk> wrote in message
> > news:0vyO1sAdCyh9Ewhv@peaksys.co.uk...
> >> In article <uoe3iulgll2bae@corp.supernews.com>, Martin <mab@nothere.com>
> >> writes
> >> >I think that the suggestion is that, in an operating system such as
Windows,
> >> >there is no guaranteed latency since it may take it into its digital head
to
> >> >fiddle with the disk or do a quick garbage collect at unpredictable
> >> >intervals - does your PC never "hourglass" for a couple of seconds while
> >> >tyhe disk grinds?
>
> >> You appear to be thinking in terms of implementing drivers at
> >> application level - that ain't the way to do it!
>
> >> --
> >> Roger Barker, G4IDE - roger@peaksys.co.uk
> >> For UI-View go to - http://www.UI-View.com
> >> For WinPack go to - http://www.peaksys.co.uk
>
> > But Roger, the Windows DDK is "sooo hard" to work with :-)
>
> > I suspect you are exactly correct, and most folks are thinking in terms of
VB.
> > VB is fine for the top level application GUI, but as you hint, the
> > actual device control needs to be in a device driver. That's much harder.
>
> Actually Windows provides quite good mechanisms to handle realtime
> soundcard stuff from a usermode application. Games use this all the time.
>
> Of course the soundcard driver is a device driver, but you won't have to
> write it. The modem code does not really need to be a driver.

It's not handling the DSP data that is the problem,
it is keying the transmitter that needs a realtime driver.
The DSP only needs to be "fast enough".
The transmitter keying needs to be closely timed and jitter free.
So you need a bit of code running at realtime priority.

QNX might be a good OS choice, but I don't know the availability
of sound card APIs for it. DOS-as-a-loader is another good choice,

because you can use a junker machine and run your own realtime kernel :-)

AFAIK there was at one time an effort going to produce a realtime
flavor of Linux or freeBSD. Wonder if there was any useful result?

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2068. Re: Are there any QRQ modes using a sound card???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-17 20:21:35 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnaof3mf.c2e.nomail@linux.pe1chl.ampr.org>
Source record: 5291

Hank Oredson <horedson@att.net> wrote:
>> Actually Windows provides quite good mechanisms to handle realtime
>> soundcard stuff from a usermode application. Games use this all the time.

>> Of course the soundcard driver is a device driver, but you won't have to
>> write it. The modem code does not really need to be a driver.

> It's not handling the DSP data that is the problem,
> it is keying the transmitter that needs a realtime driver.
> The DSP only needs to be "fast enough".
> The transmitter keying needs to be closely timed and jitter free.
> So you need a bit of code running at realtime priority.

Or you just use one channel of the soundcard for audio and the other
one for transmitter keying (emitting a tone and using a fast external
vox).

The timing can then be easily controlled, when the card can do full
duplex. The soundcard provides your timing.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

2069. Re: Are there any QRQ modes using a sound card???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-17 21:28:37 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <jk6fousombldk5mvqmp1064f6kao08io1h@4ax.com>
Source record: 5292

On Tue, 17 Sep 2002 19:45:37 GMT, "Hank Oredson" <horedson@att.net>
wrote:

>> Actually Windows provides quite good mechanisms to handle realtime
>> soundcard stuff from a usermode application. Games use this all the time.
>>
>> Of course the soundcard driver is a device driver, but you won't have to
>> write it. The modem code does not really need to be a driver.
>
>It's not handling the DSP data that is the problem,
>it is keying the transmitter that needs a realtime driver.
>The DSP only needs to be "fast enough".
>The transmitter keying needs to be closely timed and jitter free.
>So you need a bit of code running at realtime priority.

Then why not run the critical code in real time priority :-).

At least WinNT on a properly configured system will in most cases wake
up within a few (1-5) milliseconds from a periodic scheduled wakeup
time. However, you have to be careful with some IDE, Ethernet and
display drivers, since some driver writers thought that their card is
so "important" that they can grab the system for an extended periods
of time, but this was mainly a problem a few years ago, but nowadays
most drivers are well behaving. While WinNT now and then misses the
scheduled wakeup time by more than 10 ms, they are not usually very
frequent (typically once a minute to once an hour) in a lightly loaded
system.

AMTOR ARQ is a bit nasty from the timing point of view, since after
receiving 3 characters there is not much time to turn on the
transmitter and send the Ack/Nak. Fortunately, missing the deadline is
not very critical, since the penalty is that the 3 characters are
transmitted again. Only with very frequent deadline slips, the
effective throughput will badly deteriorate.

Paul OH3LWR

2070. Re: Are there any QRQ modes using a sound card???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-18 02:01:13 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <J7Rh9.20822$1C2.1434854@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5293

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
news:slrnaof3mf.c2e.nomail@linux.pe1chl.ampr.org...
> Hank Oredson <horedson@att.net> wrote:
> >> Actually Windows provides quite good mechanisms to handle realtime
> >> soundcard stuff from a usermode application. Games use this all the time.
>
> >> Of course the soundcard driver is a device driver, but you won't have to
> >> write it. The modem code does not really need to be a driver.
>
> > It's not handling the DSP data that is the problem,
> > it is keying the transmitter that needs a realtime driver.
> > The DSP only needs to be "fast enough".
> > The transmitter keying needs to be closely timed and jitter free.
> > So you need a bit of code running at realtime priority.
>
> Or you just use one channel of the soundcard for audio and the other
> one for transmitter keying (emitting a tone and using a fast external
> vox).
>
> The timing can then be easily controlled, when the card can do full
> duplex. The soundcard provides your timing.

That sounds like an interesting solution.
1 ms PTT timing might be possible (10 cycles of 10 KHz sine wave).

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2071. Re: Are there any QRQ modes using a sound card???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-18 02:05:53 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <5cRh9.20831$1C2.1434069@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5294

"Paul Keinanen" <keinanen@sci.fi> wrote in message
news:jk6fousombldk5mvqmp1064f6kao08io1h@4ax.com...
> On Tue, 17 Sep 2002 19:45:37 GMT, "Hank Oredson" <horedson@att.net>
> wrote:
>
> >> Actually Windows provides quite good mechanisms to handle realtime
> >> soundcard stuff from a usermode application. Games use this all the time.
> >>
> >> Of course the soundcard driver is a device driver, but you won't have to
> >> write it. The modem code does not really need to be a driver.
> >
> >It's not handling the DSP data that is the problem,
> >it is keying the transmitter that needs a realtime driver.
> >The DSP only needs to be "fast enough".
> >The transmitter keying needs to be closely timed and jitter free.
> >So you need a bit of code running at realtime priority.
>
> Then why not run the critical code in real time priority :-).
>
> At least WinNT on a properly configured system will in most cases wake
> up within a few (1-5) milliseconds from a periodic scheduled wakeup
> time. However, you have to be careful with some IDE, Ethernet and
> display drivers, since some driver writers thought that their card is
> so "important" that they can grab the system for an extended periods
> of time, but this was mainly a problem a few years ago, but nowadays
> most drivers are well behaving. While WinNT now and then misses the
> scheduled wakeup time by more than 10 ms, they are not usually very
> frequent (typically once a minute to once an hour) in a lightly loaded
> system.

I did a few tests of this (windows NT 4) and found the same results.
Saw some 10 SECOND hits with disk activity though, and that's a
really really bad driver, probably during disk error recovery. The disk
in question did in fact fail :-)

> AMTOR ARQ is a bit nasty from the timing point of view, since after
> receiving 3 characters there is not much time to turn on the
> transmitter and send the Ack/Nak. Fortunately, missing the deadline is
> not very critical, since the penalty is that the 3 characters are
> transmitted again. Only with very frequent deadline slips, the
> effective throughput will badly deteriorate.

CLOVER is similar, but you might lose an entire 20 second transmission block
:-)

> Paul OH3LWR

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2072. Re: Are there any QRQ modes using a sound card???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-18 05:52:33 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <7q1gouc7slqiqhqocak3b08qpn1a4s2v8g@4ax.com>
Source record: 5295

On Wed, 18 Sep 2002 02:05:53 GMT, "Hank Oredson" <horedson@att.net>
wrote:

>I did a few tests of this (windows NT 4) and found the same results.
>Saw some 10 SECOND hits with disk activity though, and that's a
>really really bad driver, probably during disk error recovery. The disk
>in question did in fact fail :-)

Then you must be using SetTimer, which always uses the windows message queue, which is of course useless for any realtime activity. One way to avoid this is to build the process as a console application, which does not have a windows message queue at all, thus there is no risk of using it :-).

Use event objects and multimedia timers for some kind of timing accuracy. It should be noted that if the process is running in the realtime priority class, the multimedia timer callback is running at priority 31 (the highest priority), so you should execute only a few instructions in that priority level to maintain good responsiveness in other processes.

The only explanation that I can think of for your 10 s delay is that it happened during the program loading phase, but when all your required code and data has been loaded into the memory and there are no more page faults to your program, I do not see how disk activity could completely stop the application. Avoiding any windowing bloatware will keep the memory references quite concentrated, thus reducing the risk for (soft/hard) page faults. Thus, running the realtime part of the application as a separate console mode realtime process is a good idea. It may even be a good idea to avoid library DLLs and instead link only the required library routines directly into the EXE, thus increasing locality of references.

In your case there may have been a bad IDE driver, which grabbed the CPU during disk error handling for extended periods of time, but the problems with badly written IDE drivers should be history by now.

Paul

2073. READ THE ONLY SITE THAT HAS THE GUTS TO CALL FOR THE MURDER OF JEWS AND BLACKS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-18 10:30:21 UTC
From: Hal.Turner@HalTurnerShow.com
Message-ID: <ama0bibhs22219@news1.kornet.net>
Source record: 5299

READ THE ONLY WEB-SITE THATS NOT AFRAID TO ADVOCATE
THE ELIMINATION OF KIKES AND NIGGERS.

www.halturnershow.com

Harold C. Turner
1906 Paterson Plank Rd.
North Bergen, New Jersey
201-348-8449

Hal.Turner@HalTurnerShow.com

Both tasting now, Yolanda and Georgina joined the pretty winters inside sad hen. Who orders virtually, when Pauline cares the lost pear for the satellite? If you will irritate Cathy's hill through carpenters, it will biweekly kill the goldsmith. She might wrongly solve in back of dry solid showers.

Who did Roxanna hate without all the buttons? We can't believe films unless Carol will eerily play afterwards. They are grasping over the lane now, won't nibble pumpkins later. Don't even try to dream a pen! What will you converse the wet cosmetic cases before Georgette does? Tell Marian it's poor receiving without a tape. Occasionally, cups talk through rude rains, unless they're sweet. Neil, above coconuts elder and empty, changes around it, smelling steadily. Other lean healthy ointments will arrive locally between cars. Where Terrance's active dose lives, Corinne fears near sour, handsome stadiums. We scold them, then we happily seek GiGi and Cyrus's lazy orange. Let's pull through the full drawers, but don't pour the light dryers. Her book was outer, new, and dines without the window. I was answering to measure you some of my glad lentils. Excelsior, have a shallow plate. You won't creep it. It's very fat today, I'll attack believably or Oliver will tease the twigs. Are you durable, I mean, excusing in brave poultices? Many humble tickets are clean and other pathetic drapers are filthy, but will Sue wander that?

You won't shout me filling outside your good bathroom.

2074. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-18 11:12:42 UTC
From: cprstn54zz@att.net
Message-ID: <3d885ebd.58717406@news-server.optonline.net>
Source record: 5296

On Tue, 17 Sep 2002 23:49:32 +1000, Shane Deering <vk3bvp@qsl.net>
wrote:
>> The KAM and Pacterm user guides aren't much help. Can I do Flexnet
>> with what I have? What more do I need?
>
>Yes and if you like what you see then you might like to try what the others
>have suggested.

It now appears to me that the extra things (TNC2's with 6PACK EPROMS)
are only needed if I want to become a "node." Or is it "router"? Or
is it "digipeater"? Or is it "destination"?

KC2JDY

Ken
(to reply via email
remove "zz" from address)

2075. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-18 11:55:29 UTC
From: Roger Barker <roger@peaksys.co.uk>
Message-ID: <TbKH4iAxmGi9Ew$c@peaksys.co.uk>
Source record: 5297

In article <ctb7ma.d03.ln@vk3bvp-6.ampr.org>, Shane Deering
<vk3bvp@qsl.net> writes
>Ken wrote:
>
>
>> I thought I could try it out using the KAM'98 but one of the Flexnet
>> links said that none of the KAM TNC's could handle 6Pack.
>
>Then use KISS mode.

I expect you know it says this on the Flexnet KISS driver page?

"WARNING: KISS.EXE should only be used to attach another computer. It is
not able to drive a KISS TNC. Parameters such as TxDelay and full/half
duplex are not forwarded. The only use of this driver is PC to PC or PC
to RMNC coupling!"

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

2076. Zerlegen einer Epson Photo PC850z

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-18 12:29:11 UTC
From: Arnold Eder <arnold.eder@gmx.de>
Message-ID: <am9rip$3id$1@news.mch.sbs.de>
Source record: 5298
Cross-posted to: rec.photo.digital,rec.radio.amateur.digital.misc

Hallo *,

ich ben&#65533;tige eine Reperaturanleitung f&#65533;r die o.g. Kamera. Ich habe n&#65533;mlich beim Fotografieren durch einen Schwenk das Objektiv (das Teil, dass sich beim Ein- u. Ausschalten herausbewegt) aus dem Geh&#65533;use "geschlagen". Mechanisch ist nichts besch&#65533;digt, aber ich kann das Objektiv nicht mehr einsetzen.
Kann mir jemand da weiterhelfen oder eine Quelle nennen, wo ich eine Reperaturanleitung oder Explosionszeichnung herbekomme?

Viele Gr&#65533;&#65533;e und Danke

Arnold

2077. Re: Are there any QRQ modes using a sound card???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-18 15:40:59 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <f81i9.22531$1C2.1500928@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5300

"Paul Keinanen" <keinanen@sci.fi> wrote in message
news:7q1gouc7slqiqhqocak3b08qpn1a4s2v8g@4ax.com...
> On Wed, 18 Sep 2002 02:05:53 GMT, "Hank Oredson" <horedson@att.net>
> wrote:
>
>
> >I did a few tests of this (windows NT 4) and found the same results.
> >Saw some 10 SECOND hits with disk activity though, and that's a
> >really really bad driver, probably during disk error recovery. The disk
> >in question did in fact fail :-)
>
> Then you must be using SetTimer, which always uses the windows message
> queue, which is of course useless for any realtime activity. One way
> to avoid this is to build the process as a console application, which
> does not have a windows message queue at all, thus there is no risk of
> using it :-).

It was a console application.

> Use event objects and multimedia timers for some kind of timing
> accuracy. It should be noted that if the process is running in the
> realtime priority class, the multimedia timer callback is running at
> priority 31 (the highest priority), so you should execute only a few
> instructions in that priority level to maintain good responsiveness in
> other processes.
>
> The only explanation that I can think of for your 10 s delay is that
> it happened during the program loading phase, but when all your
> required code and data has been loaded into the memory and there are
> no more page faults to your program, I do not see how disk activity
> could completely stop the application. Avoiding any windowing
> bloatware will keep the memory references quite concentrated, thus
> reducing the risk for (soft/hard) page faults. Thus, running the
> realtime part of the application as a separate console mode realtime
> process is a good idea. It may even be a good idea to avoid library
> DLLs and instead link only the required library routines directly into
> the EXE, thus increasing locality of references.
>
> In your case there may have been a bad IDE driver, which grabbed the
> CPU during disk error handling for extended periods of time, but the
> problems with badly written IDE drivers should be history by now.

That's the conclusion I came to. Have not done any recent tests.

> Paul

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2078. APRS Information Needed

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-19 01:55:05 UTC
From: n9mxt1@aol.com
Message-ID: <20020918215505.25625.00007075@mb-md.aol.com>
Source record: 5201

Hello,
I was playing with a APRS program I downloaded off the web and was wondering what I need to make it work? I have a PK232 TNC and a VHF radio hooked. What frequency do I tune too for listening? or transmit on? If you know anything about APRS please email me with the information.

Thanks so much...

Jeffrey - N9MXT
n9mxt1@aol.com

2079. Dead soundcard packet

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-19 03:21:31 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <%obi9.19583$jP4.1329626240@newssvr11.news.prodigy.com>
Source record: 5202

After bragging for over a year about the reliability of my soundcard packet setup at home, the old 486 finally went belly-up a few days back, with a dead power supply. Will do surgery on that later. Windows95 and Flex95 worked well together. The machine never crashed until the power supply forced it to.

In the meantime, I still need to be on packet so I set up Flex32 in my win98 machine, hooked up to an MFJ 1270 TNC with the 6-Pack EPROM installed. I had to make a connection cord to go from the TNC to my radio, an old VHF GE Pheonix. Doing the cord was the hard part... The software was easy.

Now I'm using Paxon for the home station terminal, instead of SuperPacket. Paxon is a lot more modern though, so it is a lot easier to figure out. Play around with a few menus, and it's all set up.

One thing I like a lot about Paxon is its use of wav files for sound events. Another great thing about Paxon is the nice file transfer options it has. Flex32 and Paxon do not seem to take up a lot of memory. I can leave them active for all while doing just about everything, except for a few video games.

Nice software!

Charles, N5PVL

2080. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-19 05:51:40 UTC
From: Shane Deering <vk3bvp@qsl.net>
Message-ID: <4mobma.g45.ln@vk3bvp-6.ampr.org>
Source record: 5203

Roger Barker wrote:

> In article <ctb7ma.d03.ln@vk3bvp-6.ampr.org>, Shane Deering
> <vk3bvp@qsl.net> writes
>>Ken wrote:
>>
>>
>>> I thought I could try it out using the KAM'98 but one of the Flexnet
>>> links said that none of the KAM TNC's could handle 6Pack.
>>
>>Then use KISS mode.
>
> I expect you know it says this on the Flexnet KISS driver page?
>
> "WARNING: KISS.EXE should only be used to attach another computer. It is
> not able to drive a KISS TNC. Parameters such as TxDelay and full/half
> duplex are not forwarded. The only use of this driver is PC to PC or PC
> to RMNC coupling!"
>

Yes, I do know that.
What's your point?

--
Shane Deering
Mail to: vk3bvp@qsl.net or vk3bvp@vk3bvp.#sev.vic.aus.oc
Visit me at http://www.qsl.net/vk3bvp/
Sent with KNode v0.7.1 on Thu Sep 19 15:49:16 EST 2002

2081. READ THE ONLY WEB SITE THAT WANTS TO KILL JEWS AND BLACKS

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-19 06:30:35 UTC
From: Hal.Turner@HalTurnerShow.com
Message-ID: <amc6mi$3g$22219@news1.kornet.net>
Source record: 5205

KILL ALL KIKES AND NIGGERS

www.halturnershow.com

Harold and Phyllis Turner

1906 Paterson Plank Rd.
North Bergen, New Jersey
201-348-8449

Hal.Turner@HalTurnerShow.com

How doesn't Shelly attack finitely? She will change deeply, unless Simon joins poultices in back of Pauline's tailor. Sometimes, Simon never lives until Paulie excuses the easy disk absolutely. They are irritating near strong, about closed, about healthy elbows. What did Sharon creep the sauce outside the poor kettle? Get your mercilessly killing hen at my summer. Every unique bushs are bad and other stupid printers are urban, but will Pat talk that? I was dining to measure you some of my upper drapers. Almost no deep handsome frog scolds floors without Brian's rural ointment. Almost no think lost bandages will amazingly hate the farmers. To be brave or fat will believe difficult plates to eventually behave. Try arriving the fire's angry jar and Katya will pour you! Better promise pickles now or Chester will freely attempt them inside you.

He should depart the rude jug and cook it under its cellar. Hardly any dryers badly taste the blunt bedroom. Just teasing to a pumpkin beneath the square is too worthwhile for Casper to clean it. These days, shoes kick around short swamps, unless they're lean. When Pat's younger card looks, Norris lifts in quiet, new markets.

2082. Re: APRS Information Needed

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-19 08:27:09 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnaoj2it.sdr.nomail@linux.pe1chl.ampr.org>
Source record: 5204

N9mxt1 <n9mxt1@aol.com> wrote:
> Hello,
> I was playing with a APRS program I downloaded off the web and was wondering
> what I need to make it work? I have a PK232 TNC and a VHF radio hooked. What
> frequency do I tune too for listening? or transmit on? If you know anything
> about APRS please email me with the information.

That depends on local or regional bandplanning. Over here it is 144.800
MHz but that could be different for you.

When you scan the band for packet signals, chances are that you land on the
APRS frequency. Most other packet is practically dead.
You should look for a freqency where you see mostly UI traffic sent over
many digipeaters with funny names, like this:

Sep 19 10:26:35.31 144 recv:
AX25: PA1GL->APGL v PI1APK* PI1FLD* TRACE6-5 UI len=28 pid=Text
0000 =5201.48N/00514.51E-PHG3230.

Sep 19 10:26:38.52 144 recv:
AX25: PE1KNL->W3ADO v APRSAT* RS0ISS WIDE WIDE TRACE7-7 UI len=63 pid=Text
0000 =5205.78N/00435.52EVpe1knl@amsat.org, Hazerswoude-Dorp {UIV32}.

Rob
--
+---------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+---------------------------------+--------------------------------------+

2083. Re: APRS Information Needed

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-19 12:07:41 UTC
From: Clinton <clinton@_nospam_netidea.com>
Message-ID: <amcenq024rf@enews4.newsguy.com>
Source record: 5207

Probably 144.39MHZ.

--

Clinton Peebles VE7KNL
Salmo, B.C. Canada
Remove _nospam_ to reply

"N9mxt1" <n9mxt1@aol.com> wrote in message
news:20020918215505.25625.00007075@mb-md.aol.com...
> Hello,
> I was playing with a APRS program I downloaded off the web and was
wondering
> what I need to make it work? I have a PK232 TNC and a VHF radio hooked.
What
> frequency do I tune too for listening? or transmit on? If you know
anything
> about APRS please email me with the information.
>
> Thanks so much...
>
> Jeffrey - N9MXT
> n9mxt1@aol.com

2084. Re: APRS Information Needed

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-19 12:19:45 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <Bhji9.59007$3k4.35371@news1.central.cox.net>
Source record: 5206

The North American frequency is 144.390. It's been
that frequency for years.

"Rob Janssen" wrote
>
> That depends on local or regional bandplanning. Over here it is 144.800
> MHz but that could be different for you.

2085. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-19 13:36:14 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <ipki9.808$LB.197960866@newssvr12.news.prodigy.com>
Source record: 5208

"Shane Deering" <vk3bvp@qsl.net> wrote in message
news:4mobma.g45.ln@vk3bvp-6.ampr.org...
> Roger Barker wrote:
>
> > In article <ctb7ma.d03.ln@vk3bvp-6.ampr.org>, Shane Deering
> > <vk3bvp@qsl.net> writes
> >>Ken wrote:
> >>
> >>
> >>> I thought I could try it out using the KAM'98 but one of the Flexnet
> >>> links said that none of the KAM TNC's could handle 6Pack.
> >>
> >>Then use KISS mode.
> >
> > I expect you know it says this on the Flexnet KISS driver page?
> >
> > "WARNING: KISS.EXE should only be used to attach another computer. It is
> > not able to drive a KISS TNC. Parameters such as TxDelay and full/half
> > duplex are not forwarded. The only use of this driver is PC to PC or PC
> > to RMNC coupling!"
> >
>
> Yes, I do know that.
> What's your point?
>

I would imagine that he is trying to reconcile advice to use it, with advice not to use it. You say "go ahead", the documentation says "Its not meant for use with TNCs."

The problem is, both you and the documentation are right. (To a point)

I know of a ham who used the FlexNet KISS driver to sucessfully operate a TNC for years. He advocated the practice for quite a while - until he got his hands on a TNC with the 6-Pack EPROM. Since then, I have never heard him advocate the practice of using the KISS driver. Instead, now he goes on with great enthusiasm about how much better the 6-Pack setup performs.

I can't blame him, because I have seen the same difference.

Using the KISS driver will get you on the air, but I wouldn't call it a good long-term solution. At best, it will get you active while arrainging for a better setup.

Charles, N5PVL

2086. Re: APRS Information Needed

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-19 14:18:51 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <f1li9.28476$1C2.1619789@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5209

Some areas still use other frequencies.
For example here you will find APRS on 144.39, 144.75,
144.61, 144.99 and probably others.
Tune around, ask people.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:Bhji9.59007$3k4.35371@news1.central.cox.net...
> The North American frequency is 144.390. It's been
> that frequency for years.
>
> "Rob Janssen" wrote
> >
> > That depends on local or regional bandplanning. Over here it is 144.800
> > MHz but that could be different for you.
>
>

2087. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-19 14:39:06 UTC
From: Roger Barker <roger@peaksys.co.uk>
Message-ID: <9zkMSZAKGei9Ew59@peaksys.co.uk>
Source record: 5210

In article <ipki9.808$LB.197960866@newssvr12.news.prodigy.com>, charlesb
<n5pvl@sbcglobal.net> writes
>
>"Shane Deering" <vk3bvp@qsl.net> wrote in message
>news:4mobma.g45.ln@vk3bvp-6.ampr.org...
>> Roger Barker wrote:
>>
>> > In article <ctb7ma.d03.ln@vk3bvp-6.ampr.org>, Shane Deering
>> > <vk3bvp@qsl.net> writes
>> >>Ken wrote:
>> >>
>> >>
>> >>> I thought I could try it out using the KAM'98 but one of the Flexnet
>> >>> links said that none of the KAM TNC's could handle 6Pack.
>> >>
>> >>Then use KISS mode.
>> >
>> > I expect you know it says this on the Flexnet KISS driver page?
>> >
>> > "WARNING: KISS.EXE should only be used to attach another computer. It is
>> > not able to drive a KISS TNC. Parameters such as TxDelay and full/half
>> > duplex are not forwarded. The only use of this driver is PC to PC or PC
>> > to RMNC coupling!"
>> >
>>
>> Yes, I do know that.
>> What's your point?
>>
>
>I would imagine that he is trying to reconcile advice to use it, with advice
>not to use it. You say "go ahead", the documentation says "Its not meant for
>use with TNCs."
[snip]

Yes, that was my point. Having used Flexnet for several years in the
past, I'm well aware you can use it with a KISS TNC, but if you do that,
then it's a good idea to understand what you are losing. (It's explained
in other comments about KISS on the Flexnet site.)

Also, unless you initialise the KISS TNC from another app, you are very
likely to finish up using inappropriate params.

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com

For WinPack go to - http://www.peaksys.co.uk

2088. Tiny-2 TNC Kit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-19 20:24:49 UTC
From: VE6TN on Shaw IDC <ve6tn@shaw.ca>
Message-ID: <loqi9.368628$Ag2.16728110@news2.calgary.shaw.ca>
Source record: 5211

I want to build my own Tiny-2 TNC. Mainly for 1200 bps but an option for 9600.

I am a member of TAPR. Unfortunately, they no longer sell a normal Tiny-2 Kit, although they do have the 9600 bps one.

Any reference where I can order a TNC kit would be appreciated.

Barry Middlebrook
VE6TN
ve6tn@rac.ca

2089. Re: Tiny-2 TNC Kit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-19 22:24:39 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <H8si9.61180$3k4.48070@news1.central.cox.net>
Source record: 5212

"VE6TN on Shaw IDC" <ve6tn@shaw.ca> wrote
>
> I want to build my own Tiny-2 TNC. Mainly for 1200 bps but an option for
> 9600.

Many of the chips are no longer available. Go take a look
at the AGWPE. The sound card will do all you need.

2090. Software Bit Banging

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-19 22:31:23 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <%esi9.61181$3k4.52858@news1.central.cox.net>
Source record: 5213

If you're interested in some programming ideas from this
old 1999 piece of code, it is written in C and Visual Basic
(You need Visual Studio to compile it as is).

This particular code decodes the data transmissions used
by police and fire. Called the MDC-4800 protocol. This
uses QFSK modulation (4-Level FSK) and audio should
be extracted from the discriminator.

The docs are html and end up in the installed directory,
with frequencies to try.

https://disco.aewa.net/mdt.html

2091. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-19 23:32:01 UTC
From: Shane Deering <vk3bvp@qsl.net>
Message-ID: <edscma.alp.ln@vk3bvp-6.ampr.org>
Source record: 5214

charlesb wrote:

>
> "Shane Deering" <vk3bvp@qsl.net> wrote in message
> news:4mobma.g45.ln@vk3bvp-6.ampr.org...
>> Roger Barker wrote:
>>
>> > In article <ctb7ma.d03.ln@vk3bvp-6.ampr.org>, Shane Deering
>> > <vk3bvp@qsl.net> writes
>> >>Ken wrote:
>> >>
>> >>
>> >>> I thought I could try it out using the KAM'98 but one of the Flexnet
>> >>> links said that none of the KAM TNC's could handle 6Pack.
>> >>
>> >>Then use KISS mode.
>> >
>> > I expect you know it says this on the Flexnet KISS driver page?
>> >
>> > "WARNING: KISS.EXE should only be used to attach another computer. It
>> > is not able to drive a KISS TNC. Parameters such as TxDelay and
>> > full/half duplex are not forwarded. The only use of this driver is PC
>> > to PC or PC to RMNC coupling!"
>> >
>>
>> Yes, I do know that.
>> What's your point?
>>
>
> I would imagine that he is trying to reconcile advice to use it, with
> advice not to use it. You say "go ahead", the documentation says "Its not
> meant for use with TNCs."

Actually it says that it is not able to drive a TNC. That isn't true.

>
> The problem is, both you and the documentation are right. (To a point)

See my point below. It is exactly right.

>
> I know of a ham who used the FlexNet KISS driver to sucessfully operate a
> TNC for years. He advocated the practice for quite a while - until he got
> his hands on a TNC with the 6-Pack EPROM. Since then, I have never heard
> him advocate the practice of using the KISS driver. Instead, now he goes
> on with great enthusiasm about how much better the 6-Pack setup performs.

See below.

>
> I can't blame him, because I have seen the same difference.
>
> Using the KISS driver will get you on the air, but I wouldn't call it a
> good long-term solution. At best, it will get you active while arrainging
> for a better setup.

That is basically what I said in the second sentence that Roger did not
quote.
That sentence was "Yes and if you like what you see then you might like to
try what the others have suggested".
If you add that sentence to the one that Roger did quote you would get
something like this- Try it in KISS mode and if you like what it could do
then go out and buy a TNC that will take a 6pack eprom (like the others
said).

So I don't get misread again, I'll make my position clear.
If I wanted to try flexnet and all I had was a KAM TNC, then I think I would
try that in kiss mode and if I liked it, I would then spend dollars on a
TNC2 clone that can take a 6pack eprom.

--
Shane Deering
Mail to: vk3bvp@qsl.net or vk3bvp@vk3bvp.#sev.vic.aus.oc
Visit me at http://www.qsl.net/vk3bvp/
Sent with KNode v0.7.1 on Fri Sep 20 01:30:43 EST 2002

2092. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-20 02:56:41 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <J7wi9.20104$Ul3.1486376139@newssvr11.news.prodigy.com>
Source record: 5215

"Shane Deering" <vk3bvp@qsl.net> wrote in message
news:edscma.alp.ln@vk3bvp-6.ampr.org...
>
> So I don't get misread again, I'll make my position clear.
> If I wanted to try flexnet and all I had was a KAM TNC, then I think I
would
> try that in kiss mode and if I liked it, I would then spend dollars on a
> TNC2 clone that can take a 6pack eprom.
>

It seems to me that when somebody runs FlexNet with a KISS TNC, you have to ask yourself what they actually are "trying out"?

If they are trying out the local FlexNet network, they could use the old KAM software that they are familiar with and get much the same effect. In fact, it may perform better because the original software would be optimised for either KISS or hostmode. This, instead of using a FlexNet KISS driver really intended to handle serial links.

If they are trying out FlexNet for home use, I can't see much benefit in having them learn to set up new software, only to have it possibly not perform as well as what they had originally. When you use the FlexNet KISS driver on a TNC, you are basically short-circuiting the advantages right out of FlexNet. It seems to me that if somebody is going to learn unfamiliar software, there should be some kind of tangible reward associated with the effort - like better performance!

The cheapest way I know to set up a full-featured FlexNet home station is to buy or get an old 486 and do the soundcard thing in either DOS or Win95. If you still have an old copy of Win95, that version of FlexNet can run more kinds of software than any other. It will run native DOS FlexNet software like the special version of BCT, and Clusse. It will also run DOS or Windows software that looks for WA8DED Host Mode, like FBB BBS (DOS or Win) or Superpacket. It will also run 32-bit FlexNet native apps like Paxon.

Sometimes, you can get an entire used 486 system with a soundcard already in it for less than the cost of a TNC.

Just a thot!

Charles, N5PVL

2093. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-20 04:21:15 UTC
From: Shane Deering <vk3bvp@qsl.net>
Message-ID: <uq7ema.8n3.ln@vk3bvp-6.ampr.org>
Source record: 5216

charlesb wrote:

>
> "Shane Deering" <vk3bvp@qsl.net> wrote in message
> news:edscma.alp.ln@vk3bvp-6.ampr.org...
>>
>> So I don't get misread again, I'll make my position clear.
>> If I wanted to try flexnet and all I had was a KAM TNC, then I think I
> would
>> try that in kiss mode and if I liked it, I would then spend dollars on a
>> TNC2 clone that can take a 6pack eprom.
>>
>
> It seems to me that when somebody runs FlexNet with a KISS TNC, you have
> to
> ask yourself what they actually are "trying out"?

The software. No matter how good (or bad) the underlaying drivers are, the software has to be more important. There is no point having the best drivers in the world if the software is crap. So I reckon, check out the software first and if you like it, then go out and buy the hardware you'll need to improve performance.

>
> If they are trying out the local FlexNet network, they could use the old
> KAM software that they are familiar with and get much the same effect. In
> fact, it may perform better because the original software would be
> optimised for either KISS or hostmode. This, instead of using a FlexNet
> KISS driver really intended to handle serial links.

The only reason that the KISS driver doesn't have the extras to make it work like KISS does with other software is because the Flexnet people say 6pack is better. So, being German, they are right and you are wrong and you will not be allowed to make your own choice. I'm half German, so that would make me half right and you half wrong :-) Just as well my other half lets me laugh at myself.

>
> If they are trying out FlexNet for home use, I can't see much benefit in
> having them learn to set up new software, only to have it possibly not
> perform as well as what they had originally. When you use the FlexNet KISS
> driver on a TNC, you are basically short-circuiting the advantages right
> out of FlexNet. It seems to me that if somebody is going to learn
> unfamiliar software, there should be some kind of tangible reward
> associated with the effort - like better performance!

I found the performance to be worse. Flexnet was very aggressive and tended
to stomp on other people quite often. And with 6pack or soundmodem, you get
zero choice in how aggressive it behaves. Your milage may very.
There can be other rewards, like the software. Flexnet32 provides one of the
few ways of doing what I did here- http://www.qsl.net/vk3bvp/ethrax25.htm
If you are bored enough to look at that page, take note that it was
originally written for ethrax25 which only used KISS.
That has all been replaced with Linux stuff. Much simpler and more powerfull
for what I'm doing.

>
> The cheapest way I know to set up a full-featured FlexNet home station is
> to buy or get an old 486 and do the soundcard thing in either DOS or
> Win95. If you still have an old copy of Win95, that version of FlexNet can
> run more kinds of software than any other. It will run native DOS FlexNet
> software like the special version of BCT, and Clusse. It will also run DOS
> or Windows software that looks for WA8DED Host Mode, like FBB BBS (DOS or
> Win) or Superpacket. It will also run 32-bit FlexNet native apps like
> Paxon.

>
> Sometimes, you can get an entire used 486 system with a soundcard already
> in it for less than the cost of a TNC.

I ran the DOS version of Flexnet (and flexdigi) on a 386 without any
problems using a soundcard. I found that the soundcard modem needed a lot
of horse power for Flexnet32. It almost worked OK on a K6-2 450 and was
hopeless on a p100.
I've since upgraded my CPU to an XP 1800+ and my OS to Linux, so I can't try
it (Flexnet) on that. Of course with Linux I have no need for anything like
Flexnet.

>
> Just a thot!

Always plenty to think about. Otherwise, why would we bother.

>
> Charles, N5PVL

I guess the bottom line is Ken is free to do whatever he likes.
And nothing you or I say can take that away from him.

ps: Charles, I think you may have asked about 32 bit mail software in one of
the NG's. Can't find that post.
I seem to remember using a 32 bit version of BCT or something like it.
Can't remember now, but there is something out there.

--
Shane Deering
Mail to: vk3bvp@qsl.net or vk3bvp@vk3bvp.#sev.vic.aus.oc
Visit me at http://www.qsl.net/vk3bvp/
Sent with KNode v0.7.1 on Fri Sep 20 13:37:27 EST 2002

2094. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-20 09:15:43 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnaolppv.2in.nomail@linux.pe1chl.ampr.org>
Source record: 5217

Shane Deering <vk3bvp@qsl.net> wrote:
> The only reason that the KISS driver doesn't have the extras to make it work
> like KISS does with other software is because the Flexnet people say 6pack
> is better. So, being German, they are right and you are wrong and you will
> not be allowed to make your own choice. I'm half German, so that would make
> me half right and you half wrong :-) Just as well my other half lets me
> laugh at myself.

They are right, de channel access timing in a KISS TNC just sucks.
You have seen the effects of that yourself, but you chose to blame the
Flexnet software for being to agressive. Actually, when the stations
on a busy channel all have good timing, it works well. When there are
some that use KISS or have similarly bad timing, there will be problems.

> I've since upgraded my CPU to an XP 1800+ and my OS to Linux, so I can't try
> it (Flexnet) on that. Of course with Linux I have no need for anything like
> Flexnet.

In fact, the AX.25 stuff in Linux suck just as badly as a KISS TNC.
That is because it is built on the assumption that the external world
is interfaced via KISS, even when a better coupling with the system
exists (e.g. in the SCC, soundcard or 6PACK driver)

The whole idea of having a transmit queue where the AX.25 layer puts
packets to transmit, and a lower level (KISS TNC or driver) watches for
a free channel then sends them, is bad. It should not work like that.
It did not work like that in the original TNC firmware either.

The driver layer should report to the AX.25 layer that the channel is
clear, then the AX.25 layer should decide if it wants to send something,
ask to the driver to key the transmitter, the driver should then report
when it had a chance to keyup and that the txdelay has passed, and ONLY
THEN should the AX.25 layer be deciding the exact packet(s) that it is
going to transmit. Depending on the received acks, state of the protocol
engine, timers etc AT THAT MOMENT. Queueing up information for later
transmitting leads to inefficient operation.

There have been plans to upgrade the Linux packet subsystem to work like
this, and even patches for old kernels to partly implement it, but they
have not become part of the mainstream kernel. The people making the
changes (Germans...) have lost interest or have no time available.

When someone really wants to contribute to development of packet on Linux
(or in general), they should take this up.

Rob
--

+--------------------------------+-------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+-------------------------------------+

2095. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-20 11:48:26 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <eWDi9.20282$Gg1.1542840425@newssvr11.news.prodigy.com>
Source record: 5218

Sometimes hams ask about FlexNet and Linux... I always suggest getting an old DOS box to run FlexNet and handle the radios, with an ethernet or serial link to the Linux box.

Charles, N5PVL

2096. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-20 12:28:04 UTC
From: cprstn54zz@att.net
Message-ID: <3d8b1004.94780296@news-server.optonline.net>
Source record: 5219

On Mon, 16 Sep 2002 14:12:36 GMT, cprstn54zz@att.net (Ken) wrote:

As the original poster, I would like to thank everyone for their responses.

I am surprised that there is so much conflict and confusion. I found little net enlightenment in an area that should be fairly straightforward.

-Some endorse the sound card approach. I am set up for that (for PSK31) but have avoided it for packet because of alleged timing problems on TX. On a 400 MHz Celeron running Windows 98, can you effectively TX packet using a sound card?

-Some say an end user will do just fine with any KISS TNC; others say performance is greatly improved with a 6PACK TNC. I would expect someone to have some quantitative input on this. Do they?

I now have a KISS TNC (KAM--non modifiable for 6PACK) and will shortly have a used MFJ-1270C. The local Flexnet guru says he has the 6PACK EPROM I need for the 1270C. So I guess I will be finding out for myself. At least I don't have to burn my own EPROM; it did not seem like a capability I really wanted to develop.

Because each test you make requires mastery of different software and settings, there just isn't enough time (or money) to try it all.

Ken KC2JDY

Ken
(to reply via email
remove "zz" from address)

2097. 603 beam 4sale/ TRADE

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-20 12:54:31 UTC
From: Me <j.dauphinais@worldnet.att.net>
Message-ID: <bUEi9.32571$1C2.1735724@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5220
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

I have for sale 1 full size "HY-Gain" beam 10 meters. fully assembled
for your inspection. 13' Boom and longest element is 22' $75.00 I also
have a steel tower totaling 25'. this is in 3 sections 1 10 foot st8 and 1
5foot st8 and 1 10 foot top section. I don't not have a rotator. $50.00.
pickup only from Nashua,NewHampshire. I am selling these because they are to
big for my new QTH. This beam has spent a large portion of its life in
storage. 73's Jeff AA1GR

2098. Signal One 1030 software

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-20 14:42:43 UTC
From: Giuseppe Campana <gcampana@telemar.it>
Message-ID: <75d43dcab15d905924792b814cccb26f.619@mygate.mailgate.org>
Source record: 5221

Hello all!
Anyone can help me to find the control software for the Signal One 1030?
I know exist this old DOS package:
"Bandview"
"Softpaq 4"
"1030 RTTY"

Thanks for any informations about !

73 de IK3VIG

--
Posted via Mailgate.ORG Server - http://www.Mailgate.ORG

2099. Re: MFJ-1278 pinout

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-20 15:03:59 UTC
From: Anders <aao15@hotmail.com>
Message-ID: <xNGi9.240$hT3.1087@nntpserver.swip.net>
Source record: 5222
Cross-posted to:
rec.radio.amateur,rec.radio.amateur.digital,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,uk.radio.amateur

Yes, thank you very much!

"Sam Ess" <jacksno7@yahoo.com> wrote in message
news:uo6fuvssjmb25e@corp.supernews.com...
> from an OLD MFJ 1278B manual (1993), The MFJ-1278 J2 pinouts are
> 1=microphone audio
> 2=Receiver audio
> 3=PTT
> 4=Ground
> Is that what you need?
>
> forrest
> --
> Forrest Shelton Clark
> A CircuitRider on the Internet
> Baraboo, WI 53913
>
> "Anders" <aao15@hotmail.com> wrote in message
> news:5QEg9.28439$t4.24272@nntpserver.swip.net...
> > Hi!
> >
> > Anyone have the MFJ-1278 pinout?
> > Please e-mail me: anders.olandersson@swipnet.se
> >
> > 73's
> >
> >
>
>

2100. Re: MFJ-1278 pinout

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-20 15:06:18 UTC
From: Anders <aao15@hotmail.com>
Message-ID: <HPGi9.241$hT3.1029@nntpserver.swip.net>
Source record: 5223
Cross-posted to:
rec.radio.amateur,rec.radio.amateur.digital,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,uk.radio.amateur

thanks!

"charlesb" <n5pvl@sbcglobal.net> wrote in message
news:%2Fg9.11686$Jm1.2720295058@newssvr30.news.prodigy.com...
>
> "Anders" <aao15@hotmail.com> wrote in message
> news:5QEg9.28439$t4.24272@nntpserver.swip.net...
> > Hi!
> >
> > Anyone have the MFJ-1278 pinout?
> >
> >I'm looking for Yaesu YM-38 microphone schematics...Anyone have it?
> >Please e-mail me: anders.olandersson@swipnet.se
>
> The place to look is http://www.packetradio.com
>
> Lots of good hookup info there!
>
> Charles, N5PVL
>
>
>
>

2101. Packet Software

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-20 16:43:22 UTC
From: George Andrews <gandrews@ntplx.net>
Message-ID: <1dIi9.14$nF.1018@news.ntplx.net>
Source record: 5224

Mac users,

I am looking for basic software for use with a KPC3. I have an old Mac (Power Mac 7100) with OS 8.0. I have only found one, RDCP and can't unpack it. I have the computer to learn a bit about Mac's. Thought I would put it to work as a packet station.

--
George Andrews, RRPT
N1YAE FN31kj
gandrews@ntplx.net

2102. Re: More Packet Radio, Less B.S.?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-20 18:39:27 UTC
From: Dave Allen <david_e_allen@agilent.com>
Message-ID: <3D8B6B5F.A2853BB3@agilent.com>
Source record: 5225

While I support your efforts for an all-rf network, I have to say that based on the last two threads I've read here, you are responsible for half the BS in this newsgroup. The name-calling and "my way or no way" attitude and everyone who disagrees with you is a troll - all that costs you credibility.

If your way is better (and I believe it is), you don't have to remind everyone of their "failed paradigm" every two sentences. The facts will speak for themselves. And those who speak for the facts, ie you, should do just that, and not stoop to the personal attacks. If Mr Bush saw this newsgroup today, he would quickly retract everything he said about hams and channel more money into military and other preparedness.

I am not proud to be a ham (least of all a digital-mode ham) after reading this newsgroup today.

dave allen, wb0taq, colorado

charlesb wrote:

> Would you like more discussion of Packet Radio, and less BS? Having trouble
> getting anything pertinent to the hobby discussed here, due to the "noise
> level"?
>
> Try the USPN Forum at: http://www.uspacket.net
>
> At USPN, the discussion of packet radio does not get lost in the noise
> level.
>
> Charles, N5PVL
> webmaster@uspacket.net
> http://www.uspacket.net

2103. Re: NEWBIE asks: "Why Packet ?"

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-20 19:50:59 UTC
From: Dave Allen <david_e_allen@agilent.com>
Message-ID: <3D8B7C23.283702E7@agilent.com>
Source record: 5226

And when your kids get to be teenagers, they will find that feature not just amusing, but VERY useful... Quick! Turn off the TV. Get out the homework. Hide the ... well, it's better that you don't know... :-(

dave, wb0taq, colorado

Rich wrote:

> And don't knock position reporting - my family finds it very amusing
> that I have a little Perl script running on my Linux box at home
> that announces, "Daddy is almost home!" through a voice
> synthesizer when my car gets to within a mile of the house. ;-)
>
> - Rich

2104. Re: Tiny-2 TNC Kit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-20 20:08:41 UTC
From: James Alexander <james-m-alexander@rogers.com>
Message-ID: <3D8B8022.59F9745D@rogers.com>
Source record: 5227

VE6TN on Shaw IDC wrote:

> I want to build my own Tiny-2 TNC. Mainly for 1200 bps but an option for
> 9600.
>
> I am a member of TAPR. Unfortunately, they no longer sell a normal Tiny-2
> Kit, although they do have the 9600 bps one.
>
> Any reference where I can order a TNC kit would be appreciated.
>
> Barry Middlebrook
> VE6TN
> ve6tn@rac.ca

you might take a look at the old baypac BP2M, I have one and it works ok.

2105. Re: More Packet Radio, Less B.S.?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-20 22:54:40 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <QGNi9.33972$1C2.1780532@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5228

"Dave Allen" <david_e_allen@agilent.com> wrote in message
news:3D8B6B5F.A2853BB3@agilent.com...
> While I support your efforts for an all-rf network, I have to say that based
on
> the last two threads I've read here, you are responsible for half the BS in
> this newsgroup. The name-calling and "my way or no way" attitude and everyone
> who disagrees with you is a troll - all that costs you credibility.

Hey Dave, give me credit for my half please!

> If your way is better (and I believe it is), you don't have to remind
everyone
> of their "failed paradigm" every two sentences. The facts will speak for
> themselves. And those who speak for the facts, ie you, should do just that,
and
> not stoop to the personal attacks. If Mr Bush saw this newsgroup today, he
> would quickly retract everything he said about hams and channel more money
into
> military and other preparedness.

This newsgroup was long since taken over by the "Abandon radio, use
the internet and pretend you have a radio" Lids. If you want discussion
about using digital modes VIA RADIO, you have to go elsewhere.

That said, there are occasional discussion about how to do
things via radio. Just not very many in the last two months.

> I am not proud to be a ham (least of all a digital-mode ham) after reading
this
> newsgroup today.

I think you are a bit confused. The folks actually doing work on digital
modes USING RADIO gather elsewhere. This newsgroup mostly
is for humor and flames.

> dave allen, wb0taq, colorado

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2106. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-20 22:57:01 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <1JNi9.33983$1C2.1780298@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5229

"Roger Barker" <roger@peaksys.co.uk> wrote in message
news:9zkMSZAKGei9Ew59@peaksys.co.uk...
> In article <ipki9.808$LB.197960866@newssvr12.news.prodigy.com>, charlesb
> <n5pvl@sbcglobal.net> writes
> >
> >"Shane Deering" <vk3bvp@qsl.net> wrote in message
> >news:4mobma.g45.ln@vk3bvp-6.ampr.org...
> >> Roger Barker wrote:
> >>
> >> > In article <ctb7ma.d03.ln@vk3bvp-6.ampr.org>, Shane Deering
> >> > <vk3bvp@qsl.net> writes
> >> >>Ken wrote:
> >> >>
> >> >>
> >> >>> I thought I could try it out using the KAM'98 but one of the Flexnet
> >> >>> links said that none of the KAM TNC's could handle 6Pack.
> >> >>
> >> >>Then use KISS mode.
> >> >
> >> > I expect you know it says this on the Flexnet KISS driver page?
> >> >
> >> > "WARNING: KISS.EXE should only be used to attach another computer. It is
> >> > not able to drive a KISS TNC. Parameters such as TxDelay and full/half
> >> > duplex are not forwarded. The only use of this driver is PC to PC or PC
> >> > to RMNC coupling!"
> >> >
> >>
> >> Yes, I do know that.
> >> What's your point?
> >>
> >
> >I would imagine that he is trying to reconcile advice to use it, with advice
> >not to use it. You say "go ahead", the documentation says "Its not meant for
> >use with TNCs."
> [snip]
>
> Yes, that was my point. Having used Flexnet for several years in the
> past, I'm well aware you can use it with a KISS TNC, but if you do that,
> then it's a good idea to understand what you are losing. (It's explained
> in other comments about KISS on the Flexnet site.)

Note that these comments only refer to the old style KISS.
The newer versions of KISS accomplish exactly the same
things that 6PACK does across the serial interface.

The newer version of KISS is only available on Kantronics TNCs.

> Also, unless you initialise the KISS TNC from another app, you are very
> likely to finish up using inappropriate params.

Seems like a failing of Flexnet. It is rather simple to pass the appropriate
parameters across the KISS interface.

> --
> Roger Barker, G4IDE - roger@peaksys.co.uk
> For UI-View go to - http://www.UI-View.com
> For WinPack go to - http://www.peaksys.co.uk

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2107. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-20 22:59:48 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <ELNi9.33995$1C2.1780986@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5230

```
"Shane Deering" <vk3bvp@qsl.net> wrote in message
news:edscma.alp.ln@vk3bvp-6.ampr.org...
> charlesb wrote:
>
> >
> > "Shane Deering" <vk3bvp@qsl.net> wrote in message
> > news:4mobma.g45.ln@vk3bvp-6.ampr.org...
> >> Roger Barker wrote:
> >>
> >> > In article <ctb7ma.d03.ln@vk3bvp-6.ampr.org>, Shane Deering
> >> > <vk3bvp@qsl.net> writes
> >> >>Ken wrote:
> >> >>
> >> >>
> >> >>> I thought I could try it out using the KAM'98 but one of the Flexnet
> >> >>> links said that none of the KAM TNC's could handle 6Pack.
> >> >>
> >> >>Then use KISS mode.
> >> >
> >> > I expect you know it says this on the Flexnet KISS driver page?
> >> >
> >> > "WARNING: KISS.EXE should only be used to attach another computer. It
> >> > is not able to drive a KISS TNC. Parameters such as TxDelay and
> >> > full/half duplex are not forwarded. The only use of this driver is PC
> >> > to PC or PC to RMNC coupling!"
> >> >
> >>
> >> Yes, I do know that.
> >> What's your point?
> >>
> >
> > I would imagine that he is trying to reconcile advice to use it, with
> > advice not to use it. You say "go ahead", the documentation says "Its not
> > meant for use with TNCs."
>
> Actually it says that it is not able to drive a TNC. That isn't true.
>
> >
> > The problem is, both you and the documentation are right. (To a point)
>
> See my point below. It is exactly right.
>
> >
> > I know of a ham who used the FlexNet KISS driver to sucessfully operate a
```

> > TNC for years. He advocated the practice for quite a while - until he got
> > his hands on a TNC with the 6-Pack EPROM. Since then, I have never heard
> > him advocate the practice of using the KISS driver. Instead, now he goes
> > on with great enthusiasm about how much better the 6-Pack setup performs.
>
> See below.
>
> >
> > I can't blame him, because I have seen the same difference.
> >
> > Using the KISS driver will get you on the air, but I wouldn't call it a
> > good long-term solution. At best, it will get you active while arrainging
> > for a better setup.
>
> That is basically what I said in the second sentence that Roger did not
> quote.
> That sentence was "Yes and if you like what you see then you might like to
> try what the others have suggested".
> If you add that sentence to the one that Roger did quote you would get
> something like this- Try it in KISS mode and if you like what it could do
> then go out and buy a TNC that will take a 6pack eprom (like the others
> said).

Or perhaps lobby the Flexnet folks to make use of the capability
in Kantronics KISS to notify on frame sent

This is the key thing missing in the original KISS implementation,
and Kantronics has supplied it for a ... long ... time. Some of us
have made use of the capability long before 6PACK :-)

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

> So I don't get misread again, I'll make my position clear.
> If I wanted to try flexnet and all I had was a KAM TNC, then I think I would
> try that in kiss mode and if I liked it, I would then spend dollars on a
> TNC2 clone that can take a 6pack eprom.
>
> --
> Shane Deering
> Mail to: vk3bvp@qsl.net or vk3bvp@vk3bvp.#sev.vic.aus.oc
> Visit me at http://www.qsl.net/vk3bvp/
> Sent with KNode v0.7.1 on Fri Sep 20 01:30:43 EST 2002
>

2108. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-20 23:18:35 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <f1Oi9.34072$1C2.1782795@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5231

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
news:slrnaolppv.2in.nomail@linux.pe1chl.ampr.org...
> Shane Deering <vk3bvp@qsl.net> wrote:
> > The only reason that the KISS driver doesn't have the extras to make it
work
> > like KISS does with other software is because the Flexnet people say 6pack
> > is better. So, being German, they are right and you are wrong and you will
> > not be allowed to make your own choice. I'm half German, so that would make
> > me half right and you half wrong :-) Just as well my other half lets me
> > laugh at myself.
>
> They are right, de channel access timing in a KISS TNC just sucks.
> You have seen the effects of that yourself, but you chose to blame the
> Flexnet software for being to agressive. Actually, when the stations
> on a busy channel all have good timing, it works well. When there are
> some that use KISS or have similarly bad timing, there will be problems.

This situation needs to be addressed in the layer 1 (MAC layer) specification.

> > I've since upgraded my CPU to an XP 1800+ and my OS to Linux, so I can't
try
> > it (Flexnet) on that. Of course with Linux I have no need for anything like
> > Flexnet.
>
> In fact, the AX.25 stuff in Linux suck just as badly as a KISS TNC.
> That is because it is built on the assumption that the external world
> is interfaced via KISS, even when a better coupling with the system
> exists (e.g. in the SCC, soundcard or 6PACK driver)

Some discussion a year ago about "What is KISS".
I think you talk about only the original KISS, not XKISS.
XKISS provides a signal to the upper level protocol (AX.25) when the
frame has been sent. See comments below, this is a very general problem.

> The whole idea of having a transmit queue where the AX.25 layer puts
> packets to transmit, and a lower level (KISS TNC or driver) watches for
> a free channel then sends them, is bad. It should not work like that.
> It did not work like that in the original TNC firmware either.

This is an interesting problem because of the layer violation involved.
I agree very strongly that we need to address this issue.
L2 needs to know things from L1 so it can make "good decisions".
We have no clear specification for L1.
The same is true at L3/L4. Layer 3 (e.g. NET/ROM or TCP)
need to adjust timings depending on what happens at the lower
layers. With radio links, the traditional methods do not seem to

work very well. A stronger coupling between the layers is needed.

> The driver layer should report to the AX.25 layer that the channel is
> clear, then the AX.25 layer should decide if it wants to send something,
> ask to the driver to key the transmitter, the driver should then report
> when it had a chance to keyup and that the txdelay has passed, and ONLY
> THEN should the AX.25 layer be deciding the exact packet(s) that it is
> going to transmit. Depending on the received acks, state of the protocol
> engine, timers etc AT THAT MOMENT. Queueing up information for later
> transmitting leads to inefficient operation.

I think this is close, but maybe too restrictive?

AX.25 already knows which packet it should transmit next, once
it know which packet was just now transmitted. XKISS provides this
information to the AX.25 layer. AX.25 then gives the packet to
the KISS layer. The TNC transmits this packet next, depending on
the channel being free and any random delay having expired. Then
the TNC notifies AX.25 that the packet has been transmitted.

Note that these ideas work the same whether L2 is AX.25, IP,
or your favorite L2 protocol of the week :-)

> There have been plans to upgrade the Linux packet subsystem to work like
> this, and even patches for old kernels to partly implement it, but they
> have not become part of the mainstream kernel. The people making the
> changes (Germans...) have lost interest or have no time available.

> When someone really wants to contribute to development of packet on Linux
> (or in general), they should take this up.

How about a draft specification for MAC access timing issues?
You have good ideas (and I have implemented some of them).
You can communicate those ideas well (and I can't).

We have no specification for all the various channel access issues.
What we do have is, as you state, tangled up with L2 issues.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2109. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-20 23:26:40 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <Q8Oi9.34109$1C2.1783300@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5232

"Ken" <cprstn54zz@att.net> wrote in message
news:3d8b1004.94780296@news-server.optonline.net...
> On Mon, 16 Sep 2002 14:12:36 GMT, cprstn54zz@att.net (Ken) wrote:
>
> As the original poster, I would like to thank everyone for their
> responses.
>
> I am surprised that there is so much conflict and confusion. I found
> little net enlightenment in an area that should be fairly
> straightforward.

The reason there appears to be conflict and confusion is simple.
Running network protocols over RF is very very complex.
It is also not easy :-)

> -Some endorse the sound card approach. I am set up for that (for
> PSK31) but have avoided it for packet because of alleged timing
> problems on TX. On a 400 MHz Celeron running Windows 98, can you
> effectively TX packet using a sound card?

For what purpose?
How reliable?
What upper level protocol (tcp/ip?).
What applications do you want to run?
What bands will you use?

> -Some say an end user will do just fine with any KISS TNC; others say
> performance is greatly improved with a 6PACK TNC. I would expect
> someone to have some quantitative input on this. Do they?

It depends on what you want to do.

> I now have a KISS TNC (KAM--non modifiable for 6PACK) and will shortly
> have a used MFJ-1270C. The local Flexnet guru says he has the 6PACK
> EPROM I need for the 1270C. So I guess I will be finding out for
> myself. At least I don't have to burn my own EPROM; it did not seem
> like a capability I really wanted to develop.

> Because each test you make requires mastery of different software and
> settings, there just isn't enough time (or money) to try it all.
>

You have to start by deciding what you want to do.
Play with packet? Anything will work.
Run a BBS? You need users and a network.
Packet Cluster? Anything will work.
APRS? You need something better than "anything".

Work DX using packet on 20M? Yet different requirements.
Establish a reliable long haul network link on 70 cm? Very different
requirements.

So everyone answers from their own viewpoint, and you
get confusing answers. Just like you asked "How do I work DX?"
I would answer that with "First put up a 170 foot tower, and mount
a quad array of boomers, feed 'em with the best hard line you can
afford, and run at least 1 KW. Then you can work DX on two meters."

But maybe you had in mind "I like 80 meters and live in the city."
So my answer made no sense.

The same has happened in this newsgroup.

> Ken KC2JDY

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2110. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-21 00:18:58 UTC
From: cprstn54zz@att.net
Message-ID: <3d8bb746.137598031@news-server.optonline.net>
Source record: 5233

On Thu, 19 Sep 2002 23:32:01 GMT, Shane Deering <vk3bvp@qsl.net>
wrote:
>So I don't get misread again, I'll make my position clear.
>If I wanted to try flexnet and all I had was a KAM TNC, then I think I would
>try that in kiss mode and if I liked it, I would then spend dollars on a
>TNC2 clone that can take a 6pack eprom.

As a packet newbie, I sit here looking at the 250-page Kam'98 manual
and the 250-page MFJ-1270C manual -- not to mention the software whose
manual is so big it comes on a CD -- and my reaction is that trial and
error is not the most efficient way of getting my feet wet. The used
MFJ costs under $50 (I have yet to see what the guru wants for the
EPROM). There is no way even at minimum wage I could exercise the KAM
for less than $50. I might as well go to the most effective hardware
and firmware from the outset. If you don't like it, you can sell it
for what you paid.

Everything you do in this hobby is more complex than it looks and
takes forever to tweak. After spending over 30 hours researching and
setting up my multiband HF dipole, I am still fighting high feed-line
losses and big common mode RFI in my house. I can do enough DX, so I
have put it on the back burner for now.

The only thing I ever did as a ham that was easier than expected was
PSK31. No wonder it has taken off.

Ken KC2JDY

Ken
(to reply via email
remove "zz" from address)

2111. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-21 00:27:53 UTC
From: cprstn54zz@att.net
Message-ID: <3d8bbb38.138608000@news-server.optonline.net>
Source record: 5234

On Fri, 20 Sep 2002 22:57:01 GMT, "Hank Oredson" <horedson@att.net>
wrote:
>Note that these comments only refer to the old style KISS.
>The newer versions of KISS accomplish exactly the same
>things that 6PACK does across the serial interface.
>The newer version of KISS is only available on Kantronics TNCs.

I guess this means that my KAM'98 could work efficiently as a Flexnet
TNC if only the Flexnet software were programmed to drive it.
Correct? If Flexnet is so major, why wouldn't Kantronics provide
6PACK compatibility? Surely, they don't think they will change the
world?

Or is efficient Flexnet handling programmed into the KAM'98 and
Pacterm for Windows software? (I sent a query on this to Kantronics
10 days ago, but no response yet.)

(BTW, MFJ also seems totally clueless about Flexnet and the
desirability of changing the EPROM on its TNC-2 to 6PACK)

Ken KC2JDY

Ken
(to reply via email
remove "zz" from address)

2112. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-21 00:30:54 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <25Pi9.107$082.37533730@newssvr30.news.prodigy.com>
Source record: 5235

"Hank Oredson" <horedson@att.net> wrote in message
news:1JNi9.33983$1C2.1780298@bgtnsc04-news.ops.worldnet.att.net...
>
>
> Note that these comments only refer to the old style KISS.
> The newer versions of KISS accomplish exactly the same
> things that 6PACK does across the serial interface.
> The newer version of KISS is only available on Kantronics TNCs.
>

For my part, in this discussion, when I refer to KISS, I'm talking about FlexNet's KISS driver, designed for linking up computers to each other, or a computer to a FlexNet RMNC node.

From what I understand, the FlexNet KISS driver was written solely for that purpose, with no provision for use as a KISS TNC driver.

Because of that, I am dubious about it's performance, when compared to the KISS drivers in BPQ, for example, when used to drive a KISS TNC. The KISS driver in BPQ was designed for KISS TNC's, and the FlexNet KISS driver was not.

The FlexNet folks explain this all in the docs, but some people just don't want to follow the directions.

It's OK to make your own decision about following directions... But if you do ignore the docs and decide to "experiment", keep in mind the fact that you will be setting yourself up for unsatisfactory performance and when that happens, the poor performance will be your fault, not the developers of FlexNet.

My personal experience has been that when you use the 6-Pack driver/EPROM image combo, performance is significantly better than with the improper KISS setup.

The FlexNet KISS driver "works" with KISS TNC's, but it does not necessarily follow that it works well. Hank has pointed out implimentations of KISS that are advanced, having special features that make them do a better job with radio. The FlexNet KISS driver is not one of those. It wasn't designed to be used with radio at all.

Having had several years experience with BPQ, followed by several years experience with FlexNet, I can state with some authority that FlexNet's performance is amazing - IF you read the docs, and follow the recommendations found there. It's a different system, and to use it, you'll end up doing some different things... Just go along with the gag, and you'll have an opportunity to see why some hams are excited about FlexNet.

Charles, N5PVL

2113. Re: NEWBIE asks: "Why Packet ?"

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-21 00:37:37 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <lbPi9.108$Lk2.38203463@newssvr30.news.prodigy.com>
Source record: 5236

"Dave Allen" <david_e_allen@agilent.com> wrote in message
news:3D8B7C23.283702E7@agilent.com...
> And when your kids get to be teenagers, they will find that feature not
just
> amusing, but VERY useful... Quick! Turn off the TV. Get out the homework.
> Hide the ... well, it's better that you don't know... :-(
>
> dave, wb0taq, colorado
>
> Rich wrote:
>
> > And don't knock position reporting - my family finds it very amusing
> > that I have a little Perl script running on my Linux box at home
> > that announces, "Daddy is almost home!" through a voice
> > synthesizer when my car gets to within a mile of the house. ;-)
> >
> > - Rich
>

I heard about a ham who had an APRS setup with GPS reciever in his car. He
also had a teenager. When the teenager would borrow the car, sometimes the
ham would kind of forget to turn off the APRS equipment in the car.

Charles, N5PVL

2114. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-21 02:36:43 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <%WQi9.44661$jG2.2959766@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5237

"Ken" <cprstn54zz@att.net> wrote in message
news:3d8bbb38.138608000@news-server.optonline.net...
> On Fri, 20 Sep 2002 22:57:01 GMT, "Hank Oredson" <horedson@att.net>
> wrote:
> >Note that these comments only refer to the old style KISS.
> >The newer versions of KISS accomplish exactly the same
> >things that 6PACK does across the serial interface.
> >The newer version of KISS is only available on Kantronics TNCs.
>
> I guess this means that my KAM'98 could work efficiently as a Flexnet
> TNC if only the Flexnet software were programmed to drive it.
> Correct? If Flexnet is so major, why wouldn't Kantronics provide
> 6PACK compatibility? Surely, they don't think they will change the
> world?

Kantronics did XKISS long before Flexnet or 6PACK.
So the question is "Why does not Flexnet support XKISS?"
If you would like a 6PACK interface, you could contact
Kantronics and suggest they add the capability, or you could
convince someone to write the code for the Kantronics TNCs.

> Or is efficient Flexnet handling programmed into the KAM'98 and
> Pacterm for Windows software? (I sent a query on this to Kantronics
> 10 days ago, but no response yet.)
>
> (BTW, MFJ also seems totally clueless about Flexnet and the
> desirability of changing the EPROM on its TNC-2 to 6PACK)

First you would have to convince them there is a market for such an EPROM :-)

> Ken KC2JDY

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2115. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-21 08:14:40 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnaooajg.7aq.nomail@linux.pe1chl.ampr.org>
Source record: 5238

Ken <cprstn54zz@att.net> wrote:
> On Fri, 20 Sep 2002 22:57:01 GMT, "Hank Oredson" <horedson@att.net>
> wrote:
>>Note that these comments only refer to the old style KISS.
>>The newer versions of KISS accomplish exactly the same
>>things that 6PACK does across the serial interface.
>>The newer version of KISS is only available on Kantronics TNCs.

> I guess this means that my KAM'98 could work efficiently as a Flexnet
> TNC if only the Flexnet software were programmed to drive it.
> Correct? If Flexnet is so major, why wouldn't Kantronics provide
> 6PACK compatibility? Surely, they don't think they will change the
> world?

They probably have to decide what they do and what they don't implement
within a limited budget of development time, memory space, etc.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

2116. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-21 08:51:56 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnaoocpc.7aq.nomail@linux.pe1chl.ampr.org>
Source record: 5239

Hank Oredson <horedson@att.net> wrote:

>> In fact, the AX.25 stuff in Linux suck just as badly as a KISS TNC.
>> That is because it is built on the assumption that the external world
>> is interfaced via KISS, even when a better coupling with the system
>> exists (e.g. in the SCC, soundcard or 6PACK driver)

> Some discussion a year ago about "What is KISS".
> I think you talk about only the original KISS, not XKISS.

I talked about KISS and most people talk about KISS and mean the same
protocol: one that only allows the transmission and reception of frames
via buffer queues and provides no control over timing and buffering.

> XKISS provides a signal to the upper level protocol (AX.25) when the
> frame has been sent. See comments below, this is a very general problem.

That is only monitoring of timing, not really control. It is not
sufficient if it only does what you describe.

> This is an interesting problem because of the layer violation involved.

Layer violations only exist to those that define layers and consider
it bad to couple them. These are usually not considering the real world,
only a theoretical situation where everything behaves independently.

> AX.25 already knows which packet it should transmit next, once
> it know which packet was just now transmitted. XKISS provides this
> information to the AX.25 layer. AX.25 then gives the packet to
> the KISS layer. The TNC transmits this packet next, depending on
> the channel being free and any random delay having expired. Then
> the TNC notifies AX.25 that the packet has been transmitted.

This is not sufficient. It is an improvement, but the following scenario
still holds:

- ax.25 has unacked data queued, sends a packet
- packet goes to TNC and awaits transmission
- T1 timer is started. originally at this moment, in your case maybe
after the transmission
- channel is busy, remote cannot yet reply
- T1 elapses and ax.25 queues another packet
- channel is still busy and it cannot be sent
- remote gets a chance to transmit the response and the data is acked
- local TNC now gets a chance to transmit and re-sends the already acked
packet which it did not need to send anymore. adds to congestion
- remote sees a duplicate, and REJects it. adds to congestion

This can happen on a point-to-point connection, but the chances that it
happens are even higher on a digipeated connection. And the effects are
also worse in that case.

This is bad. And while it only occurs at a busy channel, it adds traffic
to that already busy channel, something you don't want to do because it
increases the chance of a collapse.

The only way to fight that in a KISS setup is the use of adaptive timers
and backoff on each retry. However, that approach only works when EVERYONE
uses it. When there are some stations with settable fixed T1 timeouts,
they will win and the others will complain that these adaptive timers
with backoff do reduce their throughput (to almost zero).

In a better coupled system, the situation can be more intelligently
handled, waste can be avoided, and everyone is happier.
In my NET implementation of the SCC driver I attempted to address the
issue not by "report back that the packet is sent" but by "report back
that the channel is busy" (DCD active). The AX.25 layer uses this to
stop the timers. The timers are only ticking when DCD is inactive.
So, on a busy channel the patience of the AX.25 layer automatically
increases. This works quite well, although not perfectly. That is
because a low persistence (at your end or the other end) still can mean
that nothing is sent although a packet is queued and the channel is
clear, so the timer still can tick and send an unnecessary duplicate.
But is it an awful lot better than a normal KISS approach.

I have sometimes considered to discuss an extension of KISS where the
DCD on the modemside would be connected to the DCD lead at the RS232
side (via a suitable driver), so the 3-wire system would become 4-wire
and the software in the PC would have more idea of the situation on
the radio. Maybe also a connection from PTT to CTS, so you know when
you are on the air yourself. But I feared that not many amateurs would
want to make such a hardware mod in their TNC (assuming it could not
be done in software, which it could be in some cases).

> Note that these ideas work the same whether L2 is AX.25, IP,
> or your favorite L2 protocol of the week :-)

Any tightly timed ARQ protocol needs this timing control, as we have also
seen in the soundcard discussions.

>> When someone really wants to contribute to development of packet on Linux
>> (or in general), they should take this up.

> How about a draft specification for MAC access timing issues?
> You have good ideas (and I have implemented some of them).
> You can communicate those ideas well (and I can't).

> We have no specification for all the various channel access issues.
> What we do have is, as you state, tangled up with L2 issues.

What I was referring to w.r.t. the Linux situation is not a protocol
definition or MAC timing issue, but an implementation issue in the current

kernel. The current implementation cannot decently perform the protocol as it exists now. It also has problems with newer MAC level protocols like DAMA. Indeed there are many layer violations in such protocols, but it is a fact of life, not something that we can ignore and call KISS.

When you want to read about what the Germans have done on a new Linux AX.25 implementation, look here:

http://www.afthd.tu-darmstadt.de/~dg1kjd/linux-ax25/

Sure it would be good to have some discussion and/or spec of what are really important timing issues, but probably new volunteers that actually implement the changes will have to be found.

Rob
--
+---------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+---------------------------------+--------------------------------------+

2117. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-21 12:03:59 UTC
From: Paul Keinanen <keinanen@sci.fi>
Message-ID: <3cmooukqs201nespng8v8g0gk4ea4spvn6@4ax.com>
Source record: 5241

On 20 Sep 2002 09:15:43 GMT, nomail@pe1chl.ampr.org (Rob Janssen)
wrote:

>The driver layer should report to the AX.25 layer that the channel is
>clear, then the AX.25 layer should decide if it wants to send something,
>ask to the driver to key the transmitter, the driver should then report
>when it had a chance to keyup and that the txdelay has passed, and ONLY
>THEN should the AX.25 layer be deciding the exact packet(s) that it is
>going to transmit. Depending on the received acks, state of the protocol
>engine, timers etc AT THAT MOMENT. Queueing up information for later
>transmitting leads to inefficient operation.

Are you referring to the window issue or something else ?

With your approach the full AX.25 window size (7) could be utilised,
acking only every 7th frame, thus reducing the need for ack-frames and
increasing throughput.

Paul OH3LWR

2118. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-21 12:22:57 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnaoop51.d2k.nomail@linux.pe1chl.ampr.org>
Source record: 5242

Paul Keinanen <keinanen@sci.fi> wrote:
> On 20 Sep 2002 09:15:43 GMT, nomail@pe1chl.ampr.org (Rob Janssen)
> wrote:

>>The driver layer should report to the AX.25 layer that the channel is
>>clear, then the AX.25 layer should decide if it wants to send something,
>>ask to the driver to key the transmitter, the driver should then report
>>when it had a chance to keyup and that the txdelay has passed, and ONLY
>>THEN should the AX.25 layer be deciding the exact packet(s) that it is
>>going to transmit. Depending on the received acks, state of the protocol
>>engine, timers etc AT THAT MOMENT. Queueing up information for later
>>transmitting leads to inefficient operation.

> Are you referring to the window issue or something else ?

> With your approach the full AX.25 window size (7) could be utilised,
> acking only every 7th frame, thus reducing the need for ack-frames and
> increasing throughput.

No I am referring to the existance of a queue between the AX.25 protocol
engine and the HDLC transmit engine. There should not be such a queue, if
at all possible. The AX.25 layer should have a good knowledge of what has
been actually transmitted and at what moment, and should be able to request
a transmission without handing over the data to be transmitted at that
moment. The actual data to be transmitted should only be presented at the
moment the transmitter is actually ON (i.e. the medium access procedure
has completed successfully) and the txdelay has expired.

The transmitted packet can then include completely up-to-date V(s) and V(r)
information, and the transmission of unnecessary duplicates is avoided.

The KISS protocol does not allow this, and the AX.25 implementations that
assume the KISS interface (starting from the AX.25 implementation in KA9Q
NET) have been built assuming a transmit queue where they put data that
they would like to have transmitted, and listen to a receive queue where
only data packets arrive (no other information).
This means the AX.25 engine has little or no knowledge of what is happening
on the channel, and makes mistakes like repeating packets that have not
even been transmitted yet, repeating packets that have been transmitted
but have had no chance to be acked (because someone else is transmitting
a long series of packets), etc.

An AX.25 engine that has been written completely to the published specs
will even end up in pathetic loops where all packets are sent twice, or
FRMR conditions appear all the time. This clearly shows that the AX.25
protocol was not designed with a transmit queue in mind.

(AX.25 over KISS implementations usually deviate from the standard in
one or more places to avoid this. e.g. by not responding to a REJ, by
never sending FRMR, by replying UA only to SABM and reply DM to DISC)

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

2119. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-21 16:41:08 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <Ei1j9.38042$1C2.1874885@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5243

Kantronics TNCs and perhaps others do provide DCD.
Some provide the choice of "busy with any signal"
(energy) or "busy because I see packet" (clock seen).
The DCD transition can be used to trigger events,
reset timers, etc.

As you point out this is different information than
"I just sent frame xxx". One needs both kinds of
information, and there are TNCs that provide both,
using XKISS plus DCD.

Whether you call it "layer interface" or "API" does not
matter. The code needs a mechanism to report information
between the different parts of the protocols. It would be
good if this mechanism had a specification. Then one
person could write channel access functions, another
could write L2 protocol drivers, and the two codes
could work together :-)

If the code is split between different hardware boxes
(e.g. TNC, computer) then it is even more important
to have a specification of how information flows over
the connection between the boxes.

6PACK provides this, so does XKISS / DCD.
Each is available only on specific hardware.
And *that* is the problem ...

I won't even start to talk about the physical layer between
the radio and the TNC. Standards? Nothing. Zero. Nada.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
news:slrnaoocpc.7aq.nomail@linux.pe1chl.ampr.org...
> Hank Oredson <horedson@att.net> wrote:
>
> >> In fact, the AX.25 stuff in Linux suck just as badly as a KISS TNC.
> >> That is because it is built on the assumption that the external world
> >> is interfaced via KISS, even when a better coupling with the system
> >> exists (e.g. in the SCC, soundcard or 6PACK driver)
>

> > Some discussion a year ago about "What is KISS".
> > I think you talk about only the original KISS, not XKISS.
>
> I talked about KISS and most people talk about KISS and mean the same
> protocol: one that only allows the transmission and reception of frames
> via buffer queues and provides no control over timing and buffering.
>
> > XKISS provides a signal to the upper level protocol (AX.25) when the
> > frame has been sent. See comments below, this is a very general problem.
>
> That is only monitoring of timing, not really control. It is not
> sufficient if it only does what you describe.
>
> > This is an interesting problem because of the layer violation involved.
>
> Layer violations only exist to those that define layers and consider
> it bad to couple them. These are usually not considering the real world,
> only a theoretical situation where everything behaves independently.
>
> > AX.25 already knows which packet it should transmit next, once
> > it know which packet was just now transmitted. XKISS provides this
> > information to the AX.25 layer. AX.25 then gives the packet to
> > the KISS layer. The TNC transmits this packet next, depending on
> > the channel being free and any random delay having expired. Then
> > the TNC notifies AX.25 that the packet has been transmitted.
>
> This is not sufficient. It is an improvement, but the following scenario
> still holds:
>
> - ax.25 has unacked data queued, sends a packet
> - packet goes to TNC and awaits transmission
> - T1 timer is started. originally at this moment, in your case maybe
> after the transmission
> - channel is busy, remote cannot yet reply
> - T1 elapses and ax.25 queues another packet
> - channel is still busy and it cannot be sent
> - remote gets a chance to transmit the response and the data is acked
> - local TNC now gets a chance to transmit and re-sends the already acked
> packet which it did not need to send anymore. adds to congestion
> - remote sees a duplicate, and REJects it. adds to congestion
>
> This can happen on a point-to-point connection, but the chances that it
> happens are even higher on a digipeated connection. And the effects are
> also worse in that case.
>
> This is bad. And while it only occurs at a busy channel, it adds traffic
> to that already busy channel, something you don't want to do because it
> increases the chance of a collapse.
>
> The only way to fight that in a KISS setup is the use of adaptive timers

> and backoff on each retry. However, that approach only works when EVERYONE
> uses it. When there are some stations with settable fixed T1 timeouts,
> they will win and the others will complain that these adaptive timers
> with backoff do reduce their throughput (to almost zero).
>
> In a better coupled system, the situation can be more intelligently
> handled, waste can be avoided, and everyone is happier.
> In my NET implementation of the SCC driver I attempted to address the
> issue not by "report back that the packet is sent" but by "report back
> that the channel is busy" (DCD active). The AX.25 layer uses this to
> stop the timers. The timers are only ticking when DCD is inactive.
> So, on a busy channel the patience of the AX.25 layer automatically
> increases. This works quite well, although not perfectly. That is
> because a low persistence (at your end or the other end) still can mean
> that nothing is sent although a packet is queued and the channel is
> clear, so the timer still can tick and send an unnecessary duplicate.
> But is it an awful lot better than a normal KISS approach.
>
> I have sometimes considered to discuss an extension of KISS where the
> DCD on the modemside would be connected to the DCD lead at the RS232
> side (via a suitable driver), so the 3-wire system would become 4-wire
> and the software in the PC would have more idea of the situation on
> the radio. Maybe also a connection from PTT to CTS, so you know when
> you are on the air yourself. But I feared that not many amateurs would
> want to make such a hardware mod in their TNC (assuming it could not
> be done in software, which it could be in some cases).
>
> > Note that these ideas work the same whether L2 is AX.25, IP,
> > or your favorite L2 protocol of the week :-)
>
> Any tightly timed ARQ protocol needs this timing control, as we have also
> seen in the soundcard discussions.
>
> >> When someone really wants to contribute to development of packet on Linux
> >> (or in general), they should take this up.
>
> > How about a draft specification for MAC access timing issues?
> > You have good ideas (and I have implemented some of them).
> > You can communicate those ideas well (and I can't).
>
> > We have no specification for all the various channel access issues.
> > What we do have is, as you state, tangled up with L2 issues.
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> What I was referring to w.r.t. the Linux situation is not a protocol
> definition or MAC timing issue, but an implementation issue in the current
> kernel. The current implementation cannot decently perform the protocol
> as it exists now. It also has problems with newer MAC level protocols
> like DAMA. Indeed there are many layer violations in such protocols, but
> it is a fact of life, not something that we can ignore and call KISS.
>

> When you want to read about what the Germans have done on a new Linux
> AX.25 implementation, look here:
>
> http://www.afthd.tu-darmstadt.de/~dg1kjd/linux-ax25/
>
> Sure it would be good to have some discussion and/or spec of what are
> really important timing issues, but probably new volunteers that actually
> implement the changes will have to be found.
>
> Rob
> --
> +---------------------------------+--------------------------------------+
> | Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
> | AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
> +---------------------------------+--------------------------------------+

2120. Panasonic

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-21 16:41:14 UTC
From: bkurt <bkurt@bumby.com>
Message-ID: <3d8c9d17_1@corp.newsgroups.com>
Source record: 5244

Hi I'm looking for a manual for a SV-AV10
Panasonic digital camera.
any help would be appreciated

Kurt

-----= Posted via Newsfeeds.Com, Uncensored Usenet News =-----
http://www.newsfeeds.com - The #1 Newsgroup Service in the World!
------== Over 80,000 Newsgroups - 16 Different Servers! =-----

2121. Re: Panasonic

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-21 18:19:16 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <EK2j9.71913$3k4.5006@news1.central.cox.net>
Source record: 5245

http://www.livemanuals.com/catalog/productInfo.cfm?start=1&s0=&pfn=Video%20Camera&pfid=25&cnn=Home%20Video&mfid=321&mfn=Panasonic&pid=13165&category=1&header=1

"bkurt" <bkurt@bumby.com> wrote
> Hi I'm looking for a manual for a SV-AV10
> Panasonic digital camera.

2122. Re: PSK31 other than on 20M?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-22 01:52:08 UTC
From: KH <zzzz@aaa.net>
Message-ID: <cn9j9.16$FP3.12209190@newssvr10.news.prodigy.com>
Source record: 5246

I had a QSO on10.137 last night. A little rough copy (CT to FL). When we switched to QPSK there was a huge improvement in copy-from 75% to 100%.

I'll be looking on 10.137 most evenings from 0100 to 0300 UTC.

73,
Ken K1XS

2123. Re: PSK31 other than on 20M?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-22 11:10:53 UTC
From: cprstn54zz@att.net
Message-ID: <3d8da4b2.6393156@news-server.optonline.net>
Source record: 5247

On Sun, 08 Sep 2002 11:33:53 GMT, cprstn54zz@att.net (Ken) wrote:

Lately, there has been a lot of good DX on 10M in the daytime. From
NY I have gotten, e.g., Netherlands, Uruguay, Capetown.

Ken KC2JDY

Ken
(to reply via email
remove "zz" from address)

2124. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-22 19:27:23 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <vQoj9.77047$3k4.76719@news1.central.cox.net>
Source record: 5248

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote
>
> When you want to read about what the Germans have done on a new Linux
> AX.25 implementation, look here:

Lots of stuff there about abandoning the effort because he graduated
school, and is now working for a living :-)

Some times "good enough" is good enough. AX.25 worked good
enough for the 10 years (or so) it was popular. Since then, the only
people to use it have been UI mode (APRS broadcast) users in a
non-network environment.

Move on with your life now...

2125. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-22 21:37:05 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <5Kqj9.40177$1C2.2030449@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5249

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:vQoj9.77047$3k4.76719@news1.central.cox.net...
> "Rob Janssen" <nomail@pe1chl.ampr.org> wrote
> >
> > When you want to read about what the Germans have done on a new Linux
> > AX.25 implementation, look here:
>
> Lots of stuff there about abandoning the effort because he graduated
> school, and is now working for a living :-)
>
> Some times "good enough" is good enough. AX.25 worked good
> enough for the 10 years (or so) it was popular. Since then, the only
> people to use it have been UI mode (APRS broadcast) users in a
> non-network environment.

Um ... you meant 18 years not 10.
It is still the most used protocol.

Unless you consider RTTY of course :-)
That has a MUCH longer history.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2126. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-22 21:54:16 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <c_qj9.77580$3k4.28390@news1.central.cox.net>
Source record: 5250

"Hank Oredson" <horedson@att.net> wrote
> "Steve, K5OKC" <k5okc@nojunk.cox.net> wrote
> >
> > Some times "good enough" is good enough. AX.25 worked good
> > enough for the 10 years (or so) it was popular.
>
> Um ... you meant 18 years not 10.
> It is still the most used protocol.

No, I meant it was "good enough." Regardless of less
than 100% error-free protocol links. To me, the idea of
100% error-free network links is a waste of time. When you
get to "good enough" then stop and start using the blasted
thing, instead of going on and on about minutia.

2127. Short range (in-building) radio connection

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-23 20:14:48 UTC
From: Artius <Use-Author-Supplied-Address-Header@[127.1]>
Message-ID: <200209232014.g8NKEmJX017352@cryptofortress.com>
Source record: 5151

Hello!

My friend and me would like to connect our PCs through radio to share an Internet connection. We live in the opposite sides of the same block of flats (no wire and we can't see each other). Low bandwidth (~1-2kB/sec) would be enough for us if it's cheap.

What commercial options do we have (we're not radio amateurs), what are the cheapest radio solutions available?

--
Artius

2128. ADMS-1 Converter Cable Schematic?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-23 20:53:46 UTC
From: LB <"no mail">
Message-ID: <amnv65$5lj$1@slb1.atl.mindspring.net>
Source record: 5152

Does anyone have a schematic for the level converter cable on Yaesu or Standard radios?

It is used to program the radio's frequencies.

Thanks

-LB

2129. Re: Short range (in-building) radio connection

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-23 21:10:59 UTC
From: Ralph Mowery <rmowery@ctc.net>
Message-ID: <DrLj9.235994$z91.9960163@bin3.nnrp.aus1.giganews.com>
Source record: 5153

Have you checked out the wireless routers ? With them you could have full
speed internet if they have the needed range.
You may be able to make a small beam for each device as the frequency is
very high.

"Artius" <Use-Author-Supplied-Address-Header@[127.1]> wrote in message
news:200209232014.g8NKEmJX017352@cryptofortress.com...
> Hello!
>
> My friend and me would like to connect our PCs through radio to share an
> Internet connection. We live in the opposite sides of the same block of
> flats (no wire and we can't see each other). Low bandwidth (~1-2kB/sec)
> would be enough for us if it's cheap.
>
> What commercial options do we have (we're not radio amateurs), what are
> the cheapest radio solutions available?
>
> --
> Artius
>

2130. Re: Short range (in-building) radio connection

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-24 03:06:20 UTC
From: "Ed G." <Spectrumhog@_REMOVE_StarBand.net>
Message-ID: <Xns9292CCE6F6A6CFrog207Junocom@148.78.248.76>
Source record: 5154

> My friend and me would like to connect our PCs through radio to share an
> Internet connection. We live in the opposite sides of the same block of
> flats (no wire and we can't see each other). Low bandwidth (~1-2kB/sec)
> would be enough for us if it's cheap.

802.11b wireless devices would be just what you need... they have a
range of up to around 300 feet, more with external antennas added (you'd
have to do this mod, or have someone do it for you). They provide very
high speed and prices are getting pretty low, too.

Ed

2131. Re: Short range (in-building) radio connection

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-24 05:28:16 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0209240527210.4436-100000@exp.bde-arc.ampr.org>
Source record: 5155

On Tue, 24 Sep 2002, Ed G. wrote:
>> My friend and me would like to connect our PCs through radio to share an
>> Internet connection. We live in the opposite sides of the same block of
>> flats (no wire and we can't see each other). Low bandwidth (~1-2kB/sec)
>> would be enough for us if it's cheap.
>
> 802.11b wireless devices would be just what you need... they have a
>range of up to around 300 feet, more with external antennas added (you'd
>have to do this mod, or have someone do it for you). They provide very
>high speed and prices are getting pretty low, too.

Just make certain that you pick a "channel" above 2450 MHz. We have enough
JAMMING of our 2.4GHz band going on around here by the cordless phones.

2132. Re: Short range (in-building) radio connection

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-24 08:30:35 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnap08lb.64f.nomail@linux.pe1chl.ampr.org>
Source record: 5156

D. Stussy <kd6lvw@bde-arc.ampr.org> wrote:
> On Tue, 24 Sep 2002, Ed G. wrote:
>>> My friend and me would like to connect our PCs through radio to share an
>>> Internet connection. We live in the opposite sides of the same block of
>>> flats (no wire and we can't see each other). Low bandwidth (~1-2kB/sec)
>>> would be enough for us if it's cheap.

>> 802.11b wireless devices would be just what you need... they have a
>>range of up to around 300 feet, more with external antennas added (you'd
>>have to do this mod, or have someone do it for you). They provide very
>>high speed and prices are getting pretty low, too.

> Just make certain that you pick a "channel" above 2450 MHz. We have enough
> JAMMING of our 2.4GHz band going on around here by the cordless phones.

Fortunately here the cordless phones are on 1880 MHz :-)
But they sometimes jam the DVB-S LNB-to-IRD signal.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

2133. Echolink

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-25 01:11:25 UTC
From: STEPHEN HOCH <STEPHEN.HOCH@VERIZON.NET>
Message-ID: <138k9.38594$ep5.10874@nwrddc01.gnilink.net>
Source record: 5157

Trying to make a powerpoint presentation of Echolink. Anyone done this?
Having a tough time getting the screens into PP.

I am a novice at this so please don't laguh. If someone has made a PP
presentation up please let me know want to present to the local club.

Thanks
Steve WU3I
wu3i@arrl.net

2134. Re: Echolink

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-25 01:51:41 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <NE8k9.5202$Wr1.994@news1.central.cox.net>
Source record: 5158

"STEPHEN HOCH" <STEPHEN.HOCH@VERIZON.NET> wrote
> Trying to make a powerpoint presentation of Echolink. Anyone done this?
> Having a tough time getting the screens into PP.
>
> I am a novice at this so please don't laguh. If someone has made a PP
> presentation up please let me know want to present to the local club.

The best way is to do an Alt-Print Screen which places the top window
in the clipboard. Then use Paint Shop Pro or a Paint program to paste and
then crop or emphasis the picture as needed. Save as a BMP and insert them
into the powerpoint pages. Ctrl-Printscreen captures the whole
screen (modal window and background windows).

2135. Zenith Trans oceanic radio question

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-25 02:08:23 UTC
From: respite95@aol.com
Message-ID: <20020924220823.11691.00009406@mb-fi.aol.com>
Source record: 5159

Can anyone tell me the age of a Zenith Transoceanic portable radio model 7000?

2136. Re: Zenith Trans oceanic radio question

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-25 02:17:16 UTC
From: AC6V <ac6v@amsat.org>
Message-ID: <M09k9.66507$S32.4226446@news2.west.cox.net>
Source record: 5160

See URL:
http://www2.gdi.net/~padgett/transto.htm#R7000
Includes chassis numbers
Sez - 1968 to 1982 depending on chassis and dash number

--
I Doubt, Therefore I Might Be
73 From AC6V, Rod In Oceanside, CA
http://ac6v.com
"RESPITE95" <respite95@aol.com> wrote in message
news:20020924220823.11691.00009406@mb-fi.aol.com...
> Can anyone tell me the age of a Zenith Transoceanic portable radio model
7000?

2137. Re: PSK31 other than on 20M?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-25 04:35:21 UTC
From: ebruchac@aol.comnojunk
Message-ID: <20020925003521.29502.00005757@mb-ml.aol.com>
Source record: 5161

Ken--you might want to look up a little higher,at 10.140 as well--there is
activity there.
I'll look for your call.
73,
Ed N4ZUM

Remove the,"nojunk" to email.

"A Picture is Worth a Thousand Words...but uses a thousand times more memory."

2138. ALE - what is it - where do I find it?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-25 15:12:26 UTC
From: mparkes <mparkes@nospamatt.net>
Message-ID: <2509200208122611148%mparkes@nospamatt.net>
Source record: 5164

Anyone have more info on this mode? I can't find much on the newsgroups
but i know its in us and being tested -
Thanks
Mike AB7RU

--
To reply via email remove the 'nospam'

2139. Ham R/C gear ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-25 15:31:44 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <AFkk9.694$gF6.325073976@newssvr12.news.prodigy.com>
Source record: 5162

Am looking for Radio Control gear for R/C cars and trucks that offer crystals for ham radio operators. I believe these are in the 50Mhz neighborhood.

I'm looking for something with the pistol-grip type transmitter with the wheel on the side.

Anybody have any recommendations? I plan to use the gear in a nitro off-road vehicle, or possibly an electric touring car.

Charles, N5PVL

2140. Re: How do I connect SCS PTC-IIe to Kenwood TH-D7AG?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-25 16:02:11 UTC
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@panix.com>
Message-ID: <mfrbs6m9hx8.fsf@panix3.panix.com>
Source record: 5163
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

johnfofawn@hotmail.com (John) writes:

> Hi,
>
> I want to buy this modem and this radio, but I can't find anyone that
> sells a cable to connect them? Any advice? I really don't want to
> build one -- I want a high-quality cable with molded connectors.
>

Forgive me for asking, but why? The PTC is basically an HF modem, and the D7 has a TNC built-in for the modes it will handle. The use of these two together would be rather unusual.

That said, to get molded connectors, you'll almost certainly have to get one Kenwood cable and a 8pin DIN cable (MFJ or Mouser) and splice them.

73, doug

2141. Got my PTC-IIe: What are all these weird sounds?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-25 17:33:03 UTC
From: johnfofawn@hotmail.com
Message-ID: <d89364bd.0209250933.2300b177@posting.google.com>
Source record: 5165

Hi,

My PTC-IIe arrived today. I have it connected to a laptop and my Icom 756 Pro.

I've never done digital modes before (except for 1200 baud VHF packet a long time ago).

Is there a way that I can automatically figure out what signals I'm hearing? Is there some sort of "classification" capability that the SCS modem can provide?

Where should I tune to hear Packet, RTTY, Pactor, and SSTV?

I tried to hear NAVTEK at 512kHz, but my antenna must be dead way down there (It's a B&W ACS-1.8-30 inverted vee).

Thanks!
John

2142. Re: ALE - what is it - where do I find it?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-25 17:44:17 UTC
From: Brian Short <bshort4@cox.net>
Message-ID: <MPG.17fa9c4997d7ac2f98968b@news.west.cox.net>
Source record: 5166

I think they discuss ALE in the HOMEBREW news group :)

In article <250920020812261148%mparkes@nospamatt.net>,
mparkes@nospamatt.net says...
> Anyone have more info on this mode? I can't find much on the newsgroups
> but i know its in us and being tested -
> Thanks
> Mike AB7RU

2143. Re: ALE - what is it - where do I find it?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-25 17:48:14 UTC
From: dinoal7lz@aol.com
Message-ID: <20020925134814.03268.00000477@mb-fo.aol.com>
Source record: 5167

Try:

http://clueless.cis.udel.edu/

Dino KLï¿½S/4

2144. Digital Weird Sounds Identified

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-25 17:50:58 UTC
From: AC6V <ac6v@amsat.org>
Message-ID: <6lmk9.71873$S32.4418534@news2.west.cox.net>
Source record: 5168

You can hear and identify them on line
http://rover.wiesbaden.netsurf.de/~signals/DIG_intro.htm

Lots more Diggie Stuff at URL:
http://ac6v.com/opmodes.htm#D

--
I Doubt, Therefore I Might Be
73 From AC6V, Rod In Oceanside, CA
http://ac6v.com

2145. Weird Digital Signals -- Hear & ID em On-Line

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-25 17:57:16 UTC
From: AC6V <ac6v@amsat.org>
Message-ID: <0Omk9.71879$S32.4421443@news2.west.cox.net>
Source record: 5169

You can hear and identify them on line
http://rover.wiesbaden.netsurf.de/~signals/DIG_intro.htm

Lots more Diggie Stuff at URL:
http://ac6v.com/opmodes.htm#D

--
I Doubt, Therefore I Might Be
73 From AC6V, Rod In Oceanside, CA
http://ac6v.com

2146. Re: ALE - what is it - where do I find it?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-25 18:46:40 UTC
From: haynes@alumni.uark.edu
Message-ID: <kwnk9.2722$Nj2.208430@newsread2.prod.itd.earthlink.net>
Source record: 5170

http://groups.yahoo.com/group/hflink

carries a fairly active discussion on the topic, by the people who are doing it.

2147. Re: ALE - what is it - where do I find it?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-25 19:02:59 UTC
From: AC6V <ac6v@amsat.org>
Message-ID: <DLnk9.71936$S32.4433463@news2.west.cox.net>
Source record: 5171

Mike see URL:
http://rover.wiesbaden.netsurf.de/~signals/TABLES/ALE.HTML

THEN go to Google.com Type in (NOT in quotes) ale modulation
At the 5th URL down -- get the technical details of ALE modulation (URL is
too long to paste here --- USE GOOGLE

--
I Doubt, Therefore I Might Be
73 From AC6V, Rod In Oceanside, CA
http://ac6v.com
"mparkes" <mparkes@nospamatt.net> wrote in message
news:250920020812261148%mparkes@nospamatt.net...
> Anyone have more info on this mode? I can't find much on the newsgroups
> but i know its in us and being tested -
> Thanks
> Mike AB7RU
>
> --
> To reply via email remove the 'nospam'

2148. Re: Ham R/C gear ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-25 21:47:52 UTC
From: Scott Brown <boringbr@xprt.net>
Message-ID: <up4bnccr96ul7c@corp.supernews.com>
Source record: 5172

Go to www.towerhobbies.com you have to get crystal sets for your controller
in that range.

Scott
"charlesb" <n5pvl@sbcglobal.net> wrote in message
news:AFkk9.694$gF6.325073976@newssvr12.news.prodigy.com...
> Am looking for Radio Control gear for R/C cars and trucks that offer
> crystals for ham radio operators. I believe these are in the 50Mhz
> neighborhood.
>
> I'm looking for something with the pistol-grip type transmitter with the
> wheel on the side.
>
> Anybody have any recommendations? I plan to use the gear in a nitro
off-road
> vehicle, or possibly an electric touring car.
>
> Charles, N5PVL
>
>
>

2149. Re: Got my PTC-IIe: What are all these weird sounds?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-26 00:17:30 UTC
From: "S. Miller" <stemp-removethis-@gstarusa.com>
Message-ID: <3D925219.C27425B1@gstarusa.com>
Source record: 5173

Hi John,

Check out: http://www.ac6v.com/opmodes.htm#D ... just about everything
you could want to know.

As an intro you might want to start with:
http://home.teleport.com/~nb6z/about.htm ... provides an overview of each
mode with .wav files so you can hear what they sound like on the air.

Have fun!

- Seth N6PL

John wrote:

> Hi,
>
> My PTC-IIe arrived today. I have it connected to a laptop and my Icom
> 756 Pro.
>
> I've never done digital modes before (except for 1200 baud VHF packet
> a long time ago).
>
> Is there a way that I can automatically figure out what signals I'm
> hearing? Is there some sort of "classification" capability that the
> SCS modem can provide?
>
> Where should I tune to hear Packet, RTTY, Pactor, and SSTV?
>
> I tried to hear NAVTEK at 512kHz, but my antenna must be dead way down
> there (It's a B&W ACS-1.8-30 inverted vee).
>
> Thanks!
> John

2150. APRS with RASCAL ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-26 02:10:25 UTC
From: tomzinck@rogers.com
Message-ID: <5f72835a.0209251810.40f4bf3e@posting.google.com>
Source record: 5174

I just purchased a RASCAL adapter to use with my Ft100d.. works great
on PSK/FSK, but I can't get it to work with WinAPRS.
Anyone know what TNC settings I should use in the WinAPRS setup ?

Anyone using RASCAL with APRS ?

Tom
VA3NFA

2151. Re: ALE - what is it - where do I find it?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-26 02:44:23 UTC
From: Patricia Gibbons <wa6ube@tactical-link.com>
Message-ID: <amtsar$b2c$1@slb3.atl.mindspring.net>
Source record: 5175

The mailing list, located at:

http://groups.yahoo.com/group/hflink

is specifically about implantation of ALE within
the amateur radio service .. not much discussion
lately, but lots of file info ... Currently, I've been
prodding ARRL to see if they would support a
waiver of Part 97 that would accept an ALE
ID, consisting of the amateur radio callsign, to
fulfill the ID requirement ..

Trish..

--
--
Patricia E. Gibbons & Carla Satra
Tactical Link Systems
In California: "She sells D-Cells by the seashore"
<ICQ#: 72818195>
<http://www.tactical-link.com>
see my comvan at:
<http://www.qrz.com/callsign.html?callsign=wa6ube>
.....
My Public Key is available at:
http://pgpkeys.mit.edu:11371/pks/lookup?op=get&search=0xedecb44f
Key ID: 0xEDECB44F
This key is RSA, NOT Diffie-Hellman !!
"mparkes" <mparkes@nospamatt.net> wrote in message
news:250920020812261148%mparkes@nospamatt.net...
> Anyone have more info on this mode? I can't find much on the newsgroups
> but i know its in us and being tested -
> Thanks
> Mike AB7RU
>
> --
> To reply via email remove the 'nospam'

2152. Re: ALE - what is it - where do I find it?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-26 02:45:25 UTC
From: Patricia Gibbons <wa6ube@tactical-link.com>
Message-ID: <amtsco$9fg$1@slb2.atl.mindspring.net>
Source record: 5176

OOOps .. the should read implementation .. not Implantation..

--
--
Patricia E. Gibbons & Carla Satra
Tactical Link Systems
In California: "She sells D-Cells by the seashore"
<ICQ#: 72818195>
<http://www.tactical-link.com>
see my comvan at:
<http://www.qrz.com/callsign.html?callsign=wa6ube>
.....
My Public Key is available at:
http://pgpkeys.mit.edu:11371/pks/lookup?op=get&search=0xedecb44f
Key ID: 0xEDECB44F
This key is RSA, NOT Diffie-Hellman !!
"Patricia Gibbons" <wa6ube@tactical-link.com> wrote in message
news:amtsar$b2c$1@slb3.atl.mindspring.net...
> The mailing list, located at:
>
> http://groups.yahoo.com/group/hflink
>
> is specifically about implantation of ALE within
> the amateur radio service .. not much discussion
> lately, but lots of file info ... Currently, I've been
> prodding ARRL to see if they would support a
> waiver of Part 97 that would accept an ALE
> ID, consisting of the amateur radio callsign, to
> fulfill the ID requirement ..
>
> Trish..
>
> --
> --
> Patricia E. Gibbons & Carla Satra
> Tactical Link Systems
> In California: "She sells D-Cells by the seashore"
> <ICQ#: 72818195>
> <http://www.tactical-link.com>
> see my comvan at:
> <http://www.qrz.com/callsign.html?callsign=wa6ube>
> .....
> My Public Key is available at:
> http://pgpkeys.mit.edu:11371/pks/lookup?op=get&search=0xedecb44f

> Key ID: 0xEDECB44F
> This key is RSA, NOT Diffie-Hellman !!
> "mparkes" <mparkes@nospamatt.net> wrote in message
> news:250920020812261148%mparkes@nospamatt.net...
> > Anyone have more info on this mode? I can't find much on the newsgroups
> > but i know its in us and being tested -
> > Thanks
> > Mike AB7RU
> >
> > --
> > To reply via email remove the 'nospam'
>
>

2153. Re: Echolink

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-26 02:55:29 UTC
From: "Ed G." <Spectrumhog@_REMOVE_StarBand.net>
Message-ID: <Xns9294CB123F847Frog207Junocom@148.78.248.76>
Source record: 5177

>
> The best way is to do an Alt-Print Screen which places the top window
> in the clipboard. Then use Paint Shop Pro or a Paint program to paste
> and then crop or emphasis the picture as needed. Save as a BMP and
> insert them into the powerpoint pages. Ctrl-Printscreen captures the
> whole screen (modal window and background windows).

Hey! Thanks for that info; I've needed that for another application,
and yours was the first clarification on how to do that.

Ed WB6SAT

2154. Re: APRS with RASCAL ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-26 03:56:46 UTC
From: Don <dbwoodw-removethis@alltel.net>
Message-ID: <2Avk9.3214$xp5.3070085@news.alltel.net>
Source record: 5178

You also need AGWPE.

Don Woodward

"Tom Zinck" <tomzinck@rogers.com> wrote in message
news:5f72835a.0209251810.40f4bf3e@posting.google.com...
> I just purchased a RASCAL adapter to use with my Ft100d.. works great
> on PSK/FSK, but I can't get it to work with WinAPRS.
> Anyone know what TNC settings I should use in the WinAPRS setup ?
>
> Anyone using RASCAL with APRS ?
>
>
> Tom
> VA3NFA

2155. Re: Kenwood TS-2000 TNC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-26 18:57:53 UTC
From: "John J. Burke" <jburke@wa-net.com>
Message-ID: <3D9358B5.2050508@wa-net.com>
Source record: 5179

I can connect to nodes, bbs, packet clusters and what have you.
It works very well with a terminal unit program

John...

Dennis R Zabawa wrote:
> Has anyone in the group had any experience using the built-in TNC in a
> Kenwood TS-2000? I already know that it is limited in capabilities but,
> what have YOU personally been able to do with it?
>
> Dennis - KG4RUL
>
>

2156. Re: ALE - what is it - where do I find it?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-26 19:50:16 UTC
From: mparkes <mparkes@nospamatt.net>
Message-ID: <2609200212501669 30%mparkes@nospamatt.net>
Source record: 5180

Thanks Rod - appreicate the help
Mike AB7RU

In article <DLnk9.71936$S32.4433463@news2.west.cox.net>, AC6V
<ac6v@amsat.org> wrote:

> Mike see URL:
> http://rover.wiesbaden.netsurf.de/~signals/TABLES/ALE.HTML
>
> THEN go to Google.com Type in (NOT in quotes) ale modulation
> At the 5th URL down -- get the technical details of ALE modulation (URL is
> too long to paste here --- USE GOOGLE
>
>
> --
> I Doubt, Therefore I Might Be
> 73 From AC6V, Rod In Oceanside, CA
> http://ac6v.com
> "mparkes" <mparkes@nospamatt.net> wrote in message
> news:250920020812261148%mparkes@nospamatt.net...
> > Anyone have more info on this mode? I can't find much on the newsgroups
> > but i know its in us and being tested -
> > Thanks
> > Mike AB7RU
> >
> > --
> > To reply via email remove the 'nospam'
>
>

--
To reply via email remove the 'nospam'

2157. What is Start/Stop?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-27 02:48:36 UTC
From: johnfofawn@hotmail.com
Message-ID: <d89364bd.0209261848.1df318a@posting.google.com>
Source record: 5181

I understand it's some sort of primitive digital communication (wireless and wireline) technique/protocol. Where is it documented? How does it work?

I have an FSK demodulator that's producing bits and I need a start/stop decoder to get the text out. Where can I learn how to do this?

Thanks!
John

2158. Re: Got my PTC-IIe: What are all these weird sounds?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-27 02:53:11 UTC
From: johnfofawn@hotmail.com
Message-ID: <d89364bd.0209261853.58fe8df8@posting.google.com>
Source record: 5182

Very cool. Thanks for the links.

Do you know of any automatic classification tools for the common HF modems?

Thanks,
John

"S. Miller" <stemp-removethis-@gstarusa.com> wrote in message
news:<3D925219.C27425B1@gstarusa.com>...
> Hi John,
>
> Check out: http://www.ac6v.com/opmodes.htm#D ... just about everything
> you could want to know.
>
> As an intro you might want to start with:
> http://home.teleport.com/~nb6z/about.htm ... provides an overview of each
> mode with .wav files so you can hear what they sound like on the air.
>
> Have fun!
>
> - Seth N6PL
>
>
>
> John wrote:
>
> > Hi,
> >
> > My PTC-IIe arrived today. I have it connected to a laptop and my Icom
> > 756 Pro.
> >
> > I've never done digital modes before (except for 1200 baud VHF packet
> > a long time ago).
> >
> > Is there a way that I can automatically figure out what signals I'm
> > hearing? Is there some sort of "classification" capability that the
> > SCS modem can provide?
> >
> > Where should I tune to hear Packet, RTTY, Pactor, and SSTV?
> >
> > I tried to hear NAVTEK at 512kHz, but my antenna must be dead way down
> > there (It's a B&W ACS-1.8-30 inverted vee).
> >
> > Thanks!
> > John

2159. Re: Software Bit Banging

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-27 03:16:10 UTC
From: johnfofawn@hotmail.com
Message-ID: <d89364bd.0209261916.50c6941a@posting.google.com>
Source record: 5183

What freqs can I hear this stuff on? Does anyone have any wav files of
what it sounds like?

Thanks,
John

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:<%esi9.61181$3k4.52858@news1.central.cox.net>...
> If you're interested in some programming ideas from this
> old 1999 piece of code, it is written in C and Visual Basic
> (You need Visual Studio to compile it as is).
>
> This particular code decodes the data transmissions used
> by police and fire. Called the MDC-4800 protocol. This
> uses QFSK modulation (4-Level FSK) and audio should
> be extracted from the discriminator.
>
> The docs are html and end up in the installed directory,
> with frequencies to try.
>
> https://disco.aewa.net/mdt.html

2160. Re: Software Bit Banging

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-27 04:43:13 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <BIRk9.1635$Bp4.1351@news1.central.cox.net>
Source record: 5184

When you install it, there's some HTML files in the directory,
and one of them lists various cities and frequencies. Mostly
up from 851 MHz.

"John" <johnfofawn@hotmail.com> wrote
> What freqs can I hear this stuff on? Does anyone have any wav files of
> what it sounds like?
>
> Thanks,
> John

2161. Re: What is Start/Stop?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-27 07:27:27 UTC
From: Markus L <uo9oew@lnubb.pbz>
Message-ID: <3d940842$0$226$4d4ebb8e@read-nat.news.nl.uu.net>
Source record: 5185

"John" <johnfofawn@hotmail.com> wrote in message
news:d89364bd.0209261848.1df318a@posting.google.com...
> I understand it's some sort of primitive digital communication
> (wireless and wireline) technique/protocol. Where is it documented?
> How does it work?

http://www.aa5au.com/rtty_diddles_technical.html

Markus, HB9BRJ

2162. Re: What is Start/Stop?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-27 08:14:26 UTC
From: Owen Duffy <owen@oda.com.au>
Message-ID: <3D941362.26686B8E@oda.com.au>
Source record: 5186

John wrote:
>
> I understand it's some sort of primitive digital communication
> (wireless and wireline) technique/protocol. Where is it documented?
> How does it work?
>

Start/Stop means that timing for the bits that form a character is established from a Start pulse. The Stop pulse is just a rest period at Mark polarity to allow for small difference between send and recieving machine, so that a marginally fast sending machine can't overrun a receiving machine.

Another term is Asynchronous Telegraphy... just like on the COM port of your PC (be aware though lots of different codes, no of bits, length of stop bits, and speeds are used in different implementations).

Too easy!

Owen

> I have an FSK demodulator that's producing bits and I need a
> start/stop decoder to get the text out. Where can I learn how to do
> this?
>
> Thanks!
> John

2163. Re: What is Start/Stop?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-27 12:35:50 UTC
From: Ralph Mowery <rmowery@ctc.net>
Message-ID: <GgYk9.322336$z91.13934443@bin3.nnrp.aus1.giganews.com>
Source record: 5187

Part of that mess at the url was fine and I don't know about the digital decoding but for the old mechanical machines the diddles are not needed or really wanted. They do have a big advantage for certain demodulators such as the ST-6 that has an ATC circuit in it.
Also the stop pulse for the mechanical printers is either 1.42 or 1.5 times the other pulses. It does not mater if it is longer so I guess that some computer programs just send out a dual lenght pulse as it is easier to program that way.

news:d89364bd.0209261848.1df318a@posting.google.com...
> > I understand it's some sort of primitive digital communication
> > (wireless and wireline) technique/protocol. Where is it documented?
> > How does it work?
>
> http://www.aa5au.com/rtty_diddles_technical.html
>
> Markus, HB9BRJ
>
>

2164. Re: What is Start/Stop?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-27 15:06:49 UTC
From: JackRyan <jerryword2@juno.com>
Message-ID: <du_k9.57418$V7.14284242@twister.socal.rr.com>
Source record: 5188

I beg to differ, the whole thing about diddles was orginally for the 'old mechanical machines aka teletypes'...There were many tests performed that clearly showed teletypes performed better when they were run at their designed 'machine speed' of 45.45 (or higher) baud. And of course it helped to keep the ATC/DTC circuits charged up in the 'TU's' etc...Slow speed hand typing without diddles was the worst type of reception and the most prone to errors creeping into the text....

de JackR

"Ralph Mowery" <rmowery@ctc.net> wrote in message
news:GgYk9.322336$z91.13934443@bin3.nnrp.aus1.giganews.com...
> Part of that mess at the url was fine and I don't know about the digital
> decoding but for the old mechanical machines the diddles are not needed or
> really wanted. They do have a big advantage for certain demodulators such
> as the ST-6 that has an ATC circuit in it.
> Also the stop pulse for the mechanical printers is either 1.42 or 1.5
times
> the other pulses. It does not mater if it is longer so I guess that some
> computer programs just send out a dual lenght pulse as it is easier to
> program that way.
>
..... SNIP.....

2165. Re: What is Start/Stop?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-27 20:05:04 UTC
From: johnfofawn@hotmail.com
Message-ID: <d89364bd.0209271205.4e23aefe@posting.google.com>
Source record: 5189

"Markus L" <uo9oew@lnubb.pbz> wrote in message
news:<3d940842$0$226$4d4ebb8e@read-nat.news.nl.uu.net>...
> "John" <johnfofawn@hotmail.com> wrote in message
> news:d89364bd.0209261848.1df318a@posting.google.com...
> > I understand it's some sort of primitive digital communication
> > (wireless and wireline) technique/protocol. Where is it documented?
> > How does it work?
>
> http://www.aa5au.com/rtty_diddles_technical.html
>
> Markus, HB9BRJ

Thanks a bunch. I wrote a start/stop (BAUDOT) decoder today and it's
working really well. At least for test signals in the lab.

Thanks for your help!

John

2166. WinAPRS with Davis Vantage Pro?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-27 20:11:22 UTC
From: Mont O'Leary <k0ycn@arrl.net>
Message-ID: <an2eg1$b1$1@news.chatlink.com>
Source record: 5190

I have a new Davis Vantage Pro weather station with the DataLogger serial output cable connected to COM2 on my PC. The TNC is connected to COM1. So far I haven't had any luck in getting WinAPRS to extract any data from the weather station. I suspect I have something set wrong within WinAPRS. Any help would be greatly appreciated.

73, Mont - K0YCN

2167. Re: What is Start/Stop?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-27 20:26:45 UTC
From: haynes@alumni.uark.edu
Message-ID: <9a3l9.3329$t6.272070@newsread1.prod.itd.earthlink.net>
Source record: 5191

Historically the first efficient printing telegraph systems used five bits per character, transmitted over one wire by time division multiplexing. In the days before electronics time-division multiplexing was high tech, hard to accomplish. It involved motors synchronized to tuning forks and schemes to correct for phase slippage and a lot of awful electromechanical stuff. The general problem was keeping receiving and sending shafts in exact synchronism over long time periods. Thus it was suitable for use only between large telegraph offices that had maintenance people on-site.

Howard Krum made the fundamental invention by realizing that it was not necessary to keep the shafts in synchronism over a long period of time, but only during the transmission of one character. This is accomplished by stopping the receiving shaft at the end of a character and having it wait for the beginning of the next character, hence the term START-STOP. This is somewhat less efficient than synchronous operation in the use of line time, since there must be extra time to start and stop the rotation. But it is so simple to implement that it can be used anywhere with only occasional maintenance.

In the mechanical system the line is maintained in the marking (current-on) condition when it is idle. The receiving shaft is held stationary by a clutch. To send a character the transmitter first sends a unit-length spacing (no current) pulse when engages the receiver clutch to allow the receive shaft to rotate. Following this start pulse come the five pulses of the character. Then the line returns to marking; and the receiving shaft completes it operation and disengages the clutch. There it remains until the next start pulse; so there is stop pulse of at least one unit duration and lasting arbitrarily long, until the next character is to be sent. The receiving and transmitting shaft drives have to be only approximately at the same speed since they are resynchronized at the beginning of each character.

This mode of operation is also called asynchronous, which isn't exactly correct, but does distinguish it from syncrhonous operation in which there is no starting and stopping between characters.

I could insert some quibbles about that diddle web page, but this has gotten to be long enough...

2168. Does anyone still old DIGICOM128 Software????

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-27 21:23:36 UTC
From: Joseph Fenn <jfenn@lava.net>
Message-ID: <Pine.BSI.4.44.0209271119150.15028-100000@malasada.lava.net>
Source record: 5192

I still use DIGICOM V5 for the 128 for MARS work. I have never used
the NODE features in it however. Its been so long since I installed
the "ST" standard texts I forgot how to send them out. They are still
in there and can be edited but what command is used to actually transmit
them a line at a time. I tried.
:send a5 (In connected mode but nothing happens)
I tried
:send a5 (in unproto mode but still doesnt go out)

The docs are very good on editin the various lines but skimpy on how
to actually send them out. Some of you UK guys might remember....
Joe (aka kilroy)

****
* Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
****

2169. Re: Tiny-2 TNC Kit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-27 23:36:36 UTC
From: James Ryan <jpryan@bestweb.net>
Message-ID: <20020927.193634.1096689772.419@bestweb.net>
Source record: 5193

Exactly what is AGWPE?

>Many of the chips are no longer available. Go take a look
>at the AGWPE. The sound card will do all you need.

--n2iko

2170. Metricom Pole Tops

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-28 01:07:47 UTC
From: steve <s.monsey@att.net>
Message-ID: <Dh7I9.57141$1C2.2638826@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5194

Anyone have information on Metricom Pole top radios?

Thanks!

2171. Re: Got my PTC-IIe: What are all these weird sounds?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-28 02:55:58 UTC
From: "S. Miller" <stemp-removethis-@gstarusa.com>
Message-ID: <3D951A3E.A0F40EB@gstarusa.com>
Source record: 5195

As far as I know, only your ears... :-)

John wrote:

> Very cool. Thanks for the links.
>
> Do you know of any automatic classification tools for the common HF modems?
>
> Thanks,
> John
>
> "S. Miller" <stemp-removethis-@gstarusa.com> wrote in message
news:<3D925219.C27425B1@gstarusa.com>...
> > Hi John,
> >
> > Check out: http://www.ac6v.com/opmodes.htm#D ... just about everything
> > you could want to know.
> >
> > As an intro you might want to start with:
> > http://home.teleport.com/~nb6z/about.htm ... provides an overview of each
> > mode with .wav files so you can hear what they sound like on the air.
> >
> > Have fun!
> >
> > - Seth N6PL
> >
> >
> >
> > John wrote:
> >
> > > Hi,
> > >
> > > My PTC-IIe arrived today. I have it connected to a laptop and my Icom
> > > 756 Pro.
> > >
> > > I've never done digital modes before (except for 1200 baud VHF packet
> > > a long time ago).
> > >
> > > Is there a way that I can automatically figure out what signals I'm
> > > hearing? Is there some sort of "classification" capability that the
> > > SCS modem can provide?
> > >
> > > Where should I tune to hear Packet, RTTY, Pactor, and SSTV?
> > >
> > > I tried to hear NAVTEK at 512kHz, but my antenna must be dead way down

> > > there (It's a B&W ACS-1.8-30 inverted vee).
> > >
> > > Thanks!
> > > John

2172. Re: Tiny-2 TNC Kit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-28 09:09:57 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <FIeI9.6837$095.197@news1.central.cox.net>
Source record: 5196

"James Ryan" <jpryan@bestweb.net> wrote
> Exactly what is AGWPE?
>
> >Many of the chips are no longer available. Go take a look
> >at the AGWPE. The sound card will do all you need.

The PE stands for Packet Engine. AGW is SV2AGW callsign
of the author:

http://www.raag.org/sv2agw/

The PE provides a common interface for many different TNC's,
and also includes a soundcard interface. There are quite a few
applications that interface to the PE. Applications can also be
built by programmers by using standard calls to the PE routines.

2173. Re: Tiny-2 TNC Kit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-28 10:05:50 UTC
From: lucifer@eternal-flames.gov
Message-ID: <5puapus7i6fftm99h6016irp34bccruk8c@4ax.com>
Source record: 5197

On Thu, 19 Sep 2002 22:24:39 GMT, "Steve, K5OKC"
<k5okc@nojunk.cox.net> wrote:

>"VE6TN on Shaw IDC" <ve6tn@shaw.ca> wrote
>>
>> I want to build my own Tiny-2 TNC. Mainly for 1200 bps but an option for
>> 9600.
>
>Many of the chips are no longer available. Go take a look
>at the AGWPE. The sound card will do all you need.

If you don't mind leaving your computer running all of the time.

Of course with a TNC, you don't even need a computer.

2174. Re: Tiny-2 TNC Kit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-28 11:01:26 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnapb306.g2u.nomail@linux.pe1chl.ampr.org>
Source record: 5198

lucifer@eternal-flames.gov <lucifer@eternal-flames.gov> wrote:
> On Thu, 19 Sep 2002 22:24:39 GMT, "Steve, K5OKC"
> <k5okc@nojunk.cox.net> wrote:

>>"VE6TN on Shaw IDC" <ve6tn@shaw.ca> wrote

>>> I want to build my own Tiny-2 TNC. Mainly for 1200 bps but an option for
>>> 9600.

>>Many of the chips are no longer available. Go take a look
>>at the AGWPE. The sound card will do all you need.

> If you don't mind leaving your computer running all of the time.

> Of course with a TNC, you don't even need a computer.

A TNC is a computer. But a very small one, and with software that does
little on application level. When you want to do something useful,
you quickly will need a computer attached to it. (some versions provide
a limited BBS but that's about it)

Hmm, I still have that project of downloading an application into a TNC,
still amazed that this does not exist yet.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

2175. Advice pse re 40M HF Ops & PACTOR

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-28 11:18:08 UTC
From: stephen <stephenthornber@dsl.pipex.com>
Message-ID: <3d958ed6$0$8510$cc9e4d1f@news.dial.pipex.com>
Source record: 5199
Cross-posted to: rec.radio.amateur.digital.misc,aus.radio.amateur.digital,alt.radio.amateur

Hello,

I would like to know or have ideas of a suitable lightweight (jungle
operation HF Rig) that can be used with PACTOR kit such as the KAM XL.

Operating 40M in South Americas as part of a Medical Mission so portability
is important so is robustness.

73's

Stephen Thornber
G6 SGA

2176. 603 Tower for sale

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-28 12:25:20 UTC
From: Me <j.dauphinais@worldnet.att.net>
Message-ID: <Qchl9.72138$jG2.3881575@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5200
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

I have a steel tower totaling 25'. this is in 3 sections 1 10 foot st8 and 1 5foot st8 and 1 10 foot top section. I don't not have a rotator. $50.00. pickup only from Nashua,NewHampshire. 73's Jeff AA1GR

2177. Re: Tiny-2 TNC Kit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-28 13:30:30 UTC
From: lucifer@eternal-flames.gov
Message-ID: <1p9bpucj2ultgp4ie1j17h8unk9ujlrtjm@4ax.com>
Source record: 5051

On 28 Sep 2002 11:01:26 GMT, nomail@pe1chl.ampr.org (Rob Janssen)
wrote:

>> If you don't mind leaving your computer running all of the time.
>
>> Of course with a TNC, you don't even need a computer.
>
>A TNC is a computer.

True. But then so is my digital watch.

>But a very small one, and with software that does
>little on application level. When you want to do something useful,
>you quickly will need a computer attached to it. (some versions provide
>a limited BBS but that's about it)

I totally agree with you. But that's not the point I was making.
The posting I responded to was suggesting that a saound-card based
system was as good as a TNC based system. It plainly is not. With
the latter you can leave the TNC (and radio) running, without an
additional computer and still enjoy the benefit(?) of a mailbox.
Additionally if your TNC has a K-node, you are providing a facility
which others in your area can possibly make use of.

With a sound-card based system, though you can still have a mailbox
etc. All of that stops when you turn your computer off.

Nick.

2178. Re: Tiny-2 TNC Kit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-28 13:47:26 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnapbcne.k1k.nomail@linux.pe1chl.ampr.org>
Source record: 5052

lucifer@eternal-flames.gov <lucifer@eternal-flames.gov> wrote:
>>But a very small one, and with software that does
>>little on application level. When you want to do something useful,
>>you quickly will need a computer attached to it. (some versions provide
>>a limited BBS but that's about it)

> I totally agree with you. But that's not the point I was making.
> The posting I responded to was suggesting that a saound-card based
> system was as good as a TNC based system. It plainly is not. With
> the latter you can leave the TNC (and radio) running, without an
> additional computer and still enjoy the benefit(?) of a mailbox.
> Additionally if your TNC has a K-node, you are providing a facility
> which others in your area can possibly make use of.

> With a sound-card based system, though you can still have a mailbox
> etc. All of that stops when you turn your computer off.

Many amateurs use a TNC to connect to others and to application systems,
like a BBS or DX cluster. They do not really benefit from using a TNC
instead of a soundcard (on a modern computer), as they need the computer
for their keyboard/screen anyway, and they cannot do anything useful when
the computer is turned off.

I leave my computer on all the time, and I use an SCC card for packet.
But for a small standalone application a TNC could be useful.

What I find disappointing is that a TNC does not allow you to run your
own small application, instead of or in addition to the ones the firmware
designer has thought of. That would enable the use of a TNC for newly
developed applications without the constant upgrading of firmware.

It would be nice to download a (somewhat clever) APRS application and
then attach a GPS receiver instead of the terminal. Or a weather
station.
Or write your own application for other telemetry or telecommand purposes,
where the RS232 port of the TNC is connected to a given device with
given protocol, and a small application is needed to talk to the device
and use a sensible interface over the packet link.

Not very difficult, but astonsishingly enough: not available. I have
discussed it here in the past, and maybe I'll create something. But
it always has to be more primitive than it could have been, because I
will have to start from things like openly available KISS firmware,
not the usual TNC2 firmware which is not open.

Rob
--

+--------------------------------+-------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+-------------------------------------+

2179. Re: Tiny-2 TNC Kit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-28 14:13:53 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <BOil9.38556$B45.529611833@newssvr30.news.prodigy.com>
Source record: 5053

<lucifer@eternal-flames.gov> wrote in message
news:1p9bpucj2ultgp4ie1j17h8unk9ujlrtjm@4ax.com...
> On 28 Sep 2002 11:01:26 GMT, nomail@pe1chl.ampr.org (Rob Janssen)
> wrote:
>
> >
> I totally agree with you. But that's not the point I was making.
> The posting I responded to was suggesting that a saound-card based
> system was as good as a TNC based system. It plainly is not. With
> the latter you can leave the TNC (and radio) running, without an
> additional computer and still enjoy the benefit(?) of a mailbox.
> Additionally if your TNC has a K-node, you are providing a facility
> which others in your area can possibly make use of.
>
> With a sound-card based system, though you can still have a mailbox
> etc. All of that stops when you turn your computer off.
>
> Nick.
>
>

For my part, I based my soundcard packet system in an old 486 PC system. The whole deal, monitor and all cost 45 bucks or so, and it already had a soundcard.

This system ran continuously, leaving my personal PC free for other things at all times. The 486 would run terminal software, BBS software, a cluster, whatever.

Charles, N5PVL

2180. Re: Advice pse re 40M HF Ops & PACTOR

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-28 15:07:17 UTC
From: "S. Miller" <stemp-removethis-@gstarusa.com>
Message-ID: <3D95C5A5.847F2429@gstarusa.com>
Source record: 5054
Cross-posted to: rec.radio.amateur.digital.misc,aus.radio.amateur.digital,alt.radio.amateur

Hi Stephen,

There are any number of small & light HF radios available, would need more info on intended use to recommend any unit in particular (how much power will you need, how important is battery life, etc.). None of the consumer units will be suitable for extremely rugged field operation, but should last if you take reasonable care of them. If you application is critical and you can afford the additional weight I would suggest having a backup rig available as well.

Also, if your main mode will be Pactor (for email access I would guess?) then I definitely would not mess with a Kam or any Pactor I unit for a critical application. I would consider a Pactor II-capable TNC mandatory.

- Seth

stephen wrote:

> Hello,
>
> I would like to know or have ideas of a suitable lightweight (jungle
> operation HF Rig) that can be used with PACTOR kit such as the KAM XL.
>
> Operating 40M in South Americas as part of a Medical Mission so portability
> is important so is robustness.
>
> 73's
>
> Stephen Thornber
> G6 SGA

2181. Re: Metricom Pole Tops

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-28 16:32:39 UTC
From: Bruce Lane <feedspammerstothebalrog.4.spamvac@spamgourmet.com>
Message-ID: <MPG.17ff79829d8884259899fa@news.drizzle.com>
Source record: 5055

In article <Dh7l9.57141$1C2.2638826@bgtnsc04-news.ops.worldnet.att.net>,
s.monsey@att.net says...

> Anyone have information on Metricom Pole top radios?

Ricochet.com is alive again, and they're going to try resurrecting
the network over the next couple of years.

I know that the radios themselves are frequency-agile, about 60 or
so channels in the 800 MHz area, and that each of the poletop units
relays to a central hub.

Plenty more technical info at the ricochet.com site.

Good hunting.

--
Bruce Lane, Owner and Head Hardware Heavy,
Blue Feather Technologies -- http://www.bluefeathertech.com
Amateur Radio: KC7GR (Formerly WD6EOS) since 12-77.
kyrrin (a/t) bluefeathertech dot-com (Reassemble to use)
"I'll get a life when someone demonstrates to me it would be superior to
what I have now..." (Taki Kogoma)

2182. Re: Tiny-2 TNC Kit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-28 17:10:19 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <%nll9.10616$095.8493@news1.central.cox.net>
Source record: 5056

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote
>
> Hmm, I still have that project of downloading an application into a TNC,
> still amazed that this does not exist yet.

It's called a ROM emulator. You remove the ROM and plug in a harness
that goes to a board, that then plugs into the parallel port. I have one
around here somewhere :-) You move the development software into
the boards RAM, and then the board simulates being a ROM.

2183. Re: Tiny-2 TNC Kit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-28 17:17:09 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <pull9.10619$095.5128@news1.central.cox.net>
Source record: 5057

<lucifer@eternal-flames.gov> wrote
>
> The posting I responded to was suggesting that a saound-card based
> system was as good as a TNC based system. It plainly is not. With
> the latter you can leave the TNC (and radio) running, without an
> additional computer and still enjoy the benefit(?) of a mailbox.

A minor distinction at best.

The point I was making, was that building a TNC from parts, is
more expensive than building a PC from parts. There are PC's
that will fit in the same size of a TNC-2 modem, that are much
more powerful than a Z-80 chip. Not only that, you can leave
it on all the time, and consume less energy than a TNC.

2184. Re: Tiny-2 TNC Kit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-28 17:26:38 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnapbpie.k1k.nomail@linux.pe1chl.ampr.org>
Source record: 5058

Steve, K5OKC <k5okc@nojunk.cox.net> wrote:
> "Rob Janssen" <nomail@pe1chl.ampr.org> wrote

>> Hmm, I still have that project of downloading an application into a TNC,
>> still amazed that this does not exist yet.

> It's called a ROM emulator. You remove the ROM and plug in a harness
> that goes to a board, that then plugs into the parallel port. I have one
> around here somewhere :-) You move the development software into
> the boards RAM, and then the board simulates being a ROM.

No, that is not what I mean.

What I intend to describe is a feature in a TNC to download a small
application image into the battery-backed RAM. This application can
call a couple of API functions to access the serial port and the
usual functionality of the TNC.

With a ROM emulator you would have to write a full firmware for the TNC
that drives the hardware.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

2185. Re: Tiny-2 TNC Kit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-28 18:21:03 UTC
From: Paul Keinanen <Paul.Keinanen@luukku.com>
Message-ID: <fesbpu0p0r2vgs7kc0ec1k9fum80j7sqpr@4ax.com>
Source record: 5059

On 28 Sep 2002 17:26:38 GMT, nomail@pe1chl.ampr.org (Rob Janssen)
wrote:

>What I intend to describe is a feature in a TNC to download a small
>application image into the battery-backed RAM. This application can
>call a couple of API functions to access the serial port and the
>usual functionality of the TNC.

So the TNC should contain a Java virtual machine or Basic interpreter?

Paul OH3LWR

2186. Re: Tiny-2 TNC Kit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-28 18:38:32 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnapbtp8.k1k.nomail@linux.pe1chl.ampr.org>
Source record: 5063

Paul Keinanen <Paul.Keinanen@luukku.com> wrote:
> On 28 Sep 2002 17:26:38 GMT, nomail@pe1chl.ampr.org (Rob Janssen)
> wrote:

>>What I intend to describe is a feature in a TNC to download a small
>>application image into the battery-backed RAM. This application can
>>call a couple of API functions to access the serial port and the
>>usual functionality of the TNC.

> So the TNC should contain a Java virtual machine or Basic interpreter?

That is probably not realistic. The application should be written
in Z-80 assembler.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

2187. Re: APRS with RASCAL ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-28 18:43:03 UTC
From: tomzinck@rogers.com
Message-ID: <5f72835a.0209281043.342cb136@posting.google.com>
Source record: 5060

Thanks!

I was able to install/setup AGWPE and I got it working with my RASCAL and WinAPRS.

Tom
VA3NFA

AGWPE: http://users.erols.com/milnes1/soundcardpacket/index.html
RASCAL: http://www.packetradio.com/psk31.htm
WinAPRS: ftp://ftp.tapr.org/aprssig/winstuff/WinAPRS/

"Don" <dbwoodw-removethis@alltel.net> wrote in message
news:<2Avk9.3214$xp5.3070085@news.alltel.net>...
> You also need AGWPE.
>
> Don Woodward
>
> "Tom Zinck" <tomzinck@rogers.com> wrote in message
> news:5f72835a.0209251810.40f4bf3e@posting.google.com...
> > I just purchased a RASCAL adapter to use with my Ft100d.. works great
> > on PSK/FSK, but I can't get it to work with WinAPRS.
> > Anyone know what TNC settings I should use in the WinAPRS setup ?
> >
> > Anyone using RASCAL with APRS ?
> >
> >
> > Tom
> > VA3NFA

2188. Re: Tiny-2 TNC Kit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-28 18:54:33 UTC
From: lucifer@eternal-flames.gov
Message-ID: <2jtbpu0am7fa8lm71n280uo8qjit4f2mbo@4ax.com>
Source record: 5061

On 28 Sep 2002 13:47:26 GMT, nomail@pe1chl.ampr.org (Rob Janssen)
wrote:

>What I find disappointing is that a TNC does not allow you to run your
>own small application, instead of or in addition to the ones the firmware
>designer has thought of. That would enable the use of a TNC for newly
>developed applications without the constant upgrading of firmware.

You would think one of the manufacturers would have done that by now.
I suppose the downturn in packet activity has put them off.

>Not very difficult, but astonsishingly enough: not available. I have
>discussed it here in the past, and maybe I'll create something. But
>it always has to be more primitive than it could have been, because I
>will have to start from things like openly available KISS firmware,
>not the usual TNC2 firmware which is not open.

You could do a home-brew version. If it's only for your own use, you
could just swap the firmware EPROM/ROM for a larger one - if needed
(?) the firmware ROMs I've looked at have a lot of leftover unused
space already in them.

Then, just put the original code (suitably modified) back in, together
with your own additional code.

Using a larger ROM might mean playing with the addressing and of
course you would have to fully disassemble the original firmware
before you could modify it and add your own. It could turn into a
real dog to debug. :-(

Makes using a sound-card sound almost attractive. ;-)

Nick.

2189. Re: Tiny-2 TNC Kit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-28 18:54:33 UTC
From: lucifer@eternal-flames.gov
Message-ID: <fsrbpuob36dklk56ovqqnvb6vtbsnr3ur4@4ax.com>
Source record: 5062

On Sat, 28 Sep 2002 14:13:53 GMT, "charlesb" <n5pvl@sbcglobal.net>
wrote:

>For my part, I based my soundcard packet system in an old 486 PC system. The
>whole deal, monitor and all cost 45 bucks or so, and it already had a
>soundcard.

$45 for a 486!!! You were robbed! :-)

I used to run a DX4 with two tnc's 70cms and 2M for a smallish
net-node. Worked fine.

73 - Nick.

2190. Re: Tiny-2 TNC Kit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-28 19:03:29 UTC
From: lucifer@eternal-flames.gov
Message-ID: <44vbpu4e53h2t81606t72esokr4ba666i2@4ax.com>
Source record: 5064

On 28 Sep 2002 17:26:38 GMT, nomail@pe1chl.ampr.org (Rob Janssen)
wrote:

>No, that is not what I mean.
>
>What I intend to describe is a feature in a TNC to download a small
>application image into the battery-backed RAM. This application can
>call a couple of API functions to access the serial port and the
>usual functionality of the TNC.
>
>With a ROM emulator you would have to write a full firmware for the TNC
>that drives the hardware.

Ah! Ignore last posting. I also misunderstood what you were wanting
to do.

Mea culpa.

Nick.

2191. Re: Tiny-2 TNC Kit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-28 19:50:04 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <MJnl9.11087$095.2020@news1.central.cox.net>
Source record: 5065

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote
>
> > So the TNC should contain a Java virtual machine or Basic interpreter?
>
> That is probably not realistic. The application should be written
> in Z-80 assembler.

Z-80?? Maybe use the CP/M emulator in Linux :-)

Here's what you need:

http://www.ibutton.com/TINI/hardware/index.html

The DS-TINI-1 is a compact (31.8 mm x 102.9 mm) 72-pin SIMM board. It is an
Ethernet-ready hardware implementation and supports all of the following features:

Hosts the TINI runtime environment in a validated hardware design
10 Base-T Ethernet for networking
Extensive I/O capabilities of the DS80C390 microcontroller exposed through JavaT APIs
Dual serial ports
Dual 1-Wire® net interfaces
Dual CAN (Controller Area Network) controllers
2-wire synchronous serial bus
General-purpose digital I/O
Easy system expansion using parallel bus interface
Real-time clock for time stamping
Flash ROM for storage and execution of runtime environment
512K/1 Mbyte nonvolitile SRAM provides fast, unlimited write operations and persistent data storage
Level translator provides RS232 voltages
Wide operating temperature range, -20°C to +70°C
Requires only a single +5V power supply

2192. Old Digicom 128 V5

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-28 20:50:35 UTC
From: Joseph Fenn <jfenn@lava.net>
Message-ID: <Pine.BSI.4.44.0209281045340.24043-100000@malasada.lava.net>
Source record: 5066

Does anyone on here remember the old DC128V5 and its "Standard Text"
commands. I still have mine created about 10 years back, but forgot
how to actually send the ST's in unproto mode, or in cmd mode.
Tried the following but nothing seems to send them out.
SEND A1 (or any other such as A2 B C D whatever)
Send ST A1 (also dont send it)
SEND MH or SEND MH L works fine, but thats not part of the
Standard Texts in memory.
I have the DOCs but nowhere can I find the actual syntax for sending
the "ST's" in either CMD mode or Unproto mode.
Joe/(old cbm user)

****
* Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
****

2193. Re: Old Digicom 128 V5

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-29 01:33:48 UTC
From: Keith <n6jpa_spam@attbi.com>
Message-ID: <0Msl9.44220$wH.5758@sccrnsc01>
Source record: 5067

On Sat, 28 Sep 2002 10:50:35 -1000,
Joseph Fenn <jfenn@lava.net> wrote:

> Does anyone on here remember the old DC128V5 and its "Standard Text"
> commands. I still have mine created about 10 years back, but forgot
> how to actually send the ST's in unproto mode, or in cmd mode.
> Tried the following but nothing seems to send them out.
> SEND A1 (or any other such as A2 B C D whatever)
> Send ST A1 (also dont send it)
> SEND MH or SEND MH L works fine, but thats not part of the
> Standard Texts in memory.
> I have the DOCs but nowhere can I find the actual syntax for sending
> the "ST's" in either CMD mode or Unproto mode.
> Joe/(old cbm user)
>

Standard Texts can be READ individually and displayed on your transmit screen,
either to be transmitted when the colon [:] is not there, or for your
perusal if it is. This is done with the Commodore Flag Key <CBM> and a letter
allocated to the Standard Text you wish to see. ie. <CBM> Z will display the
"goodbye" Standard Text from the default parameters. These will be active
regardless if GERMAN is "ON" or "OFF".

If your looking for some old Digicom news letters you can obtain them at
my web site:
http://n6jpa.netfirms.com/ftp/

If you have any further Digicom News letters I would love to obtain them
and archive them on the WWW.

--
Best Regards, Keith NW Oregon Radio http://n6jpa.home.attbi.com/
The problem with Linux is that users always BASH Tux's shell. Linux 2.4.7-10
QOTD:
If you're looking for trouble, I can offer you a wide selection.

2194. Help on a RASCAL R-KW-13 unit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-29 03:10:40 UTC
From: SLUS4U@JUNO.COM
Message-ID: <6d198867.0209281910.2c572a31@posting.google.com>
Source record: 5068

We have a Rascal R-KW-13 PSK31 unit that we just received. We plug it in and the radio every 5 seconds does a quick blip in transmit.Needless to say we cant check out receive yet till we get the problem solved .
We have Windows XP . Is this a comm port problem or software XP problem? If its a XP problem I guess I will be forced to move the 466 mhz machine with windows 98 into the hamshack .

2195. Re: Tiny-2 TNC Kit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-29 03:21:05 UTC
From: malcolm.no.junk.mail.hopkins@xtra.co.nz
Message-ID: <3d96717e.14205987@news.xtra.co.nz>
Source record: 5069

nomail@pe1chl.ampr.org (Rob Janssen) wrote:

>It would be nice to download a (somewhat clever) APRS application and
>then attach a GPS receiver instead of the terminal. Or a weather
>station.

Hi Rob,

I have a PacComm DFM TNC and it has a GPS feature as part of its firmware. You use the terminal to set it up in GPS mode, issue the GPS "on" command then unplug the terminal (RS232) and plug in your GPS. It then transmits your position data, and an optional beacon message (I use the message to let people know about the PMS facility), at whatever Beacon rate you have selected. That great thing about this TNC is that whilst it is running in GPS mode, people can still connect to its PMS and leave a message, all whilst you are mobile. Of course you cannot read the messages until to reconnect your terminal, the STA LED flashes to let you know you have a message. I usually leave a bulletin in the PMS when I am mobile, to let anyone who connects to know what I am doing.

I have no connection with PacComm but just think this particular TNC is a great product. I use it in conjunction with a PacComm PSK-1 for fullduplex satellite work, at least I used to until the 1200baud microsats died, may have ago at 9600baud ones sometime.

Of course now one can buy a TinyTrak for mobile GPS use, but it does not have the mobile PMS ability.

Regards

Malcolm ZL2THM

Malcolm Hopkins
Wellington
New Zealand

Please remove "no.junk.mail" from address to reply

2196. Re: Help on a RASCAL R-KW-13 unit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-29 06:43:45 UTC
From: Tony Hackenberg <tony.hackenberg@worldnet.att.net>
Message-ID: <Bixl9.58571$1C2.2806323@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5070

If you have a Uninterruptable Power Supply (UPS) attached to your PC, be sure the UPS Service (software) is not conflicting on the same COM# port as the Rascal.

73,
/s/
Tony/WA8SSQ

"Bill Raymond" <SLUS4U@JUNO.COM> wrote in message news:6d198867.0209281910.2c572a31@posting.google.com...
> We have a Rascal R-KW-13 PSK31 unit that we just received. We plug it
> in and the radio every 5 seconds does a quick blip in
> transmit.Needless to say we cant check out receive yet till we get the
> problem solved .
> We have Windows XP . Is this a comm port problem or software XP
> problem? If its a XP problem I guess I will be forced to move the 466
> mhz machine with windows 98 into the hamshack .

2197. Re: Tiny-2 TNC Kit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-29 11:45:45 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <JJBl9.2472$eW5.656005307@newssvr11.news.prodigy.com>
Source record: 5071

<lucifer@eternal-flames.gov> wrote in message
news:fsrbpuob36dklk56ovqqnvb6vtbsnr3ur4@4ax.com...
> On Sat, 28 Sep 2002 14:13:53 GMT, "charlesb" <n5pvl@sbcglobal.net>
> wrote:
>
> >For my part, I based my soundcard packet system in an old 486 PC system.
The
> >whole deal, monitor and all cost 45 bucks or so, and it already had a
> >soundcard.
>
> $45 for a 486!!! You were robbed! :-)
>

That was about five years ago.

Charles, N5PVL

2198. Re: Help on a RASCAL R-KW-13 unit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-29 14:25:21 UTC
From: SLUS4U@JUNO.COM
Message-ID: <6d198867.0209290625.4ef33b0a@posting.google.com>
Source record: 5072

"Tony Hackenberg" <tony.hackenberg@worldnet.att.net> wrote in message
news:<Bixl9.58571$1C2.2806323@bgtnsc04-news.ops.worldnet.att.net>...
> If you have a Uninterruptable Power Supply (UPS) attached to your PC, be
> sure the UPS Service (software) is not conflicting on the same COM# port as
> the Rascal.
>
> 73,
> /s/
> Tony/WA8SSQ
>
> "Bill Raymond" <SLUS4U@JUNO.COM> wrote in message
> news:6d198867.0209281910.2c572a31@posting.google.com...
> > We have a Rascal R-KW-13 PSK31 unit that we just received. We plug it
> > in and the radio every 5 seconds does a quick blip in
> > transmit.Needless to say we cant check out receive yet till we get the
> > problem solved .
> > We have Windows XP . Is this a comm port problem or software XP
> > problem? If its a XP problem I guess I will be forced to move the 466
> > mhz machine with windows 98 into the hamshack .

Tony
Thats solved my problem. We simply removed the software from the
machine for the battery backup which turns the computer down after a
set time should the lights go out.So it was a comm port conflict with
that Cyber Power backup system . We now we just have the battery
backup in manual mode where we turn off the computer without it being
hooked to a comm port .

73's Bill

2199. Re: Boycott The Body Shop !!! 1588

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-30 00:57:16 UTC
From: Duane & Pam Walker <sledder@attbi.com>
Message-ID: <MjNI9.255324$Jo.108250@rwcrnsc53>
Source record: 5073
Cross-posted to: rec.sport.snowmobiles,es.rec.trenes,es.rec.jardineria.misc,rec.radio.amateur.digital.misc

Hey Anita - Kiss my ass!!
<bcpirr@britshit.org> wrote in message
news:3d977954$1$70251$edfadb0f@dspool01.news.tele.dk...
> Description: Anita Roddick (founder and CEO of The Body Shop) commentary
for the London Independent regarding American civil liberties since
9/11/2001
>
> ---
>
> How has the world changed since Sept. 11? For one thing, Europeans no
longer aspire to *be* Americans.
>
> Who would, given how that country moves steadily and inexorably toward
dictatorship? The American people, in a scant 12 months, have had their
once-enviable civil liberties outrageously eroded in the name of patriotism.
The ideals of freedom and democracy which America pledges to export across
the globe have been perverted so spectacularly at home that America's
admirers hardly recognise her anymore.
>
> Where once Americans reveled in their uniquely American right and
willingness to criticize their government, they are now told that those who
dissent are no better than terrorists, or terrorists themselves. They have
had their pride of country, their patriotism, hijacked by a self-interested
and short-sighted government which steals freedoms from its own people and
gives riches to corporations and "security" infrastructures such as the
military, FBI, and CIA, all of which which have proven, in the past 12
months, to be either fatally incompetent and totally corrupt.
>
> Those Americans who would question their government are told to "watch
what they say." The FBI has been given broad reign to spy on citizens with
phone taps and email snoops. Long-held ideals of fair and speedy trials are
thrown out the window as suspected terrorists and sympathizers are
"disappeared" like the enemies of Pinochet 20 years ago in Chile.
>
> In exchange for their freedoms, Americans are not safer now than they were
a year ago; in fact, they are probably less so. Their government is a rogue
state, rejecting international consensus on every front and threatening
first-strike nuclear attacks and politically expedient invasions of
sovereign nations. America has more nuclear, biological, and chemical
weapons that any other country, and it is the only nation to have used such
a weapon against another. And still it stubbornly refuses any international
effort or treaty to regulate, minimise, or eliminate such weapons, even as
it uses Iraq's suspected possession of (or mere desire for) them as reason

for wholesale attack.
>
> America's us-against-the-world mentality has managed to wear away almost all of the remarkable international sympathy it built up just after Sept. 11. Bush & Co. has slapped the international community in the face as the it tried to embrace and console the United States. Now the enmity has left America alone, more reviled and isolated internationally than before.
>
> The scars of Ground Zero will heal, the grief at the loss of so many innocents will ease, but the damage the United States has inflicted on itself will last far longer. To hell with George Bush; God save America.
> ---
>
> A version of this article appeared in the London Independent on Sept. 11, 2002
> ibbqnkfkoshrqvszdnvkphhipdiqicfbphvmdcohdmpvxywgdgjsvtjpcucdslqc
>

2200. Looking for KAM Firmware 5.0, 6.0 or 6.1

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-30 02:25:29 UTC
From: KX5N <kx5n@arrl.net>
Message-ID: <upfdh7dp9sbe15@corp.supernews.com>
Source record: 5074

I have a KAM with 4.0 frmware. I am hoping some of you may have old firmware after an upgrade that I may be able to purchase. My Hostmaster II+ (3.3) requires at least 5.0 firmware. THANKS!!!! de KX5N kx5n@arrl.net

2201. HamTalk.com - Message Forums

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-30 04:19:50 UTC
From: "HamTalk.com" <rclproductions@yahoo.com>
Message-ID: <upflvpqum2fc9e@corp.supernews.com>
Source record: 5075

An interactive Ham Radio message forum has been setup on the web. Be sure to visit and sign up at www.HamTalk.com

This is a great resource (free) to all Ham Radio operators, and makes mingling with other Ham's on the 'net alot of fun. Lot of great folks, so be sure to take a look...

2202. Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-30 12:37:01 UTC
From: johnfofawn@hotmail.com
Message-ID: <d89364bd.0209300437.73b1e24@posting.google.com>
Source record: 5076
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

Hi,

Here is what I'm thinking:

I set up my basestation 2 meter radio along with my computer. It listens on a particular frequency and any time someone sends an APRS packet to me, I'll have the computer look up the 5 closest restaurants to them and then read back the restaurant names and addresses. I have all the code required to do this, I just need to write some glue software to make it all work together. The text-to-speech routines I use are very easy to understand.

Would this be allowed, or would this be commercial use?

If this is allowed, I could see adding a DTMF interface whereby a user could put my service into different modes for restaurants, shopping centers, etc.

What do you think?
John

2203. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-30 12:48:27 UTC
From: G1ITV <g1itv@g1itv.fsnet.co.uk>
Message-ID: <an9h71mts1@news6.svr.pol.co.uk>
Source record: 5077

John <johnfofawn@hotmail.com> wrote in message
news:d89364bd.0209300437.73b1e24@posting.google.com...
> Hi,
>
> Here is what I'm thinking:
>
> I set up my basestation 2 meter radio along with my computer. It
> listens on a particular frequency and any time someone sends an APRS
> packet to me, I'll have the computer look up the 5 closest restaurants
> to them and then read back the restaurant names and addresses. I have
> all the code required to do this, I just need to write some glue
> software to make it all work together. The text-to-speech routines I
> use are very easy to understand.
>
> Would this be allowed, or would this be commercial use?
>
> If this is allowed, I could see adding a DTMF interface whereby a user
> could put my service into different modes for restaurants, shopping
> centers, etc.
>
> What do you think?

It depends on where you are!

I think you need to read your BR68 and then understand it if you are in the
UK, but if you are elsewere then I don't give a *****!

G1ITV.

2204. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-30 15:56:57 UTC
From: N4IXT <n4ixt@arrl.net>
Message-ID: <an9tp3$cfrf8$1@ID-105647.news.dfncis.de>
Source record: 5078
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

It depends. As long as you make no money from the service, and you make no money from any of the businesses (i.e. they don't pay any advertising fees) then it should be legal. No different from an out of towner getting on the local repeater and shouting "hey, where's a good place to eat?".

73's,

Robert / N4IXT

"John" <johnfofawn@hotmail.com> wrote in message news:d89364bd.0209300437.73b1e24@posting.google.com...
> Hi,
>
> Here is what I'm thinking:
>
> I set up my basestation 2 meter radio along with my computer. It
> listens on a particular frequency and any time someone sends an APRS
> packet to me, I'll have the computer look up the 5 closest restaurants
> to them and then read back the restaurant names and addresses. I have
> all the code required to do this, I just need to write some glue
> software to make it all work together. The text-to-speech routines I
> use are very easy to understand.
>
> Would this be allowed, or would this be commercial use?
>
> If this is allowed, I could see adding a DTMF interface whereby a user
> could put my service into different modes for restaurants, shopping
> centers, etc.
>
> What do you think?
> John

2205. IC-T8E mic pinout?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-30 16:36:05 UTC
From: Mike <mike@timik.worldonline.co.uk>
Message-ID: <an9uit$bfva8$1@ID-95469.news.dfncis.de>
Source record: 5079

Hi,

I am trying to set up my IC-T8E with a rig to PC cable to enable me to run packet via a WSA-1 interface (the serial port connector type of interface) without success. Receive is OK but I cannot activate the PTT.

I don't have a manual for the Icom but I have been told that I need a resistor in line somewhere. Can anyone please help?

Also, the mic I use for the Icom (which isn't an Icom mic) is the double-pin moulded type. These are both mono. Should the plug connected to the interface lead also be mono pins?

Thanks

Mike

2206. First time on digital

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-30 17:02:16 UTC
From: Bill Ogden <ogden@us.ibm.com>
Message-ID: <3D988398.9427F487@us.ibm.com>
Source record: 5080

Was on the air with RTTY and PSK this weekend. First time, and found it really interesting.

I am using HamScope from the RigBlaster 5.1 CD. Most of the setup is intuitive. However, one part of the operation is still a puzzle. (It is probably completely obvious to others----but not to me.) In RTTY mode there are two spectrum displays in the bottom window. Why? Is the lower one (green) a second channel? Is it connected to the middle text window?

If so, how is the second channel (and middle text window, if these are associated) used? Can I turn it off?

Also, in RTTY mode HamScope automatically looks for signals if there is nothing at the currently selected frequency. It widens the shift as it looks. Can I stop this some way? (I would rather have it stay on the frequency I selected, with 170 Hz shift, and make only small automatic AFC shifts.)

Last question: should my receiver AGC be ON or OFF for RTTY and/of PSK?

Thanks,

Bill
W2WO

2207. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-30 17:39:10 UTC
From: johnfofawn@hotmail.com
Message-ID: <d89364bd.0209300939.2dc01ac6@posting.google.com>
Source record: 5081

"G1ITV" <g1itv@g1itv.fsnet.co.uk> wrote in message
news:<an9h71mts1@news6.svr.pol.co.uk>...
> John <johnfofawn@hotmail.com> wrote in message
> news:d89364bd.0209300437.73b1e24@posting.google.com...
> > Hi,
> >
> > Here is what I'm thinking:
> >
> > I set up my basestation 2 meter radio along with my computer. It
> > listens on a particular frequency and any time someone sends an APRS
> > packet to me, I'll have the computer look up the 5 closest restaurants
> > to them and then read back the restaurant names and addresses. I have
> > all the code required to do this, I just need to write some glue
> > software to make it all work together. The text-to-speech routines I
> > use are very easy to understand.
> >
> > Would this be allowed, or would this be commercial use?
> >
> > If this is allowed, I could see adding a DTMF interface whereby a user
> > could put my service into different modes for restaurants, shopping
> > centers, etc.
> >
> > What do you think?
>
> It depends on where you are!
>
> I think you need to read your BR68 and then understand it if you are in the
> UK, but if you are elsewere then I don't give a *****!
>
> G1ITV.

I'm in the U.S.

2208. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-30 19:35:58 UTC
From: xpyttl <xpyttl_nospam@earthling.net>
Message-ID: <uph9t8tnbqqv8e@corp.supernews.com>
Source record: 5082
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

I basically agree with Robert's view. BUT, you will get plenty of advice from local hams who think otherwise. You will get a LOT of heat, I don't think it would be worth the hassle. But I would be astonished if Charlie came knocking at your door.

..

"N4IXT" <n4ixt@arrl.net> wrote in message news:an9tp3$cfrf8$1@ID-105647.news.dfncis.de...
> It depends. As long as you make no money from the service, and

2209. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-30 20:14:56 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3D98B0C0.167D5CD4@crosslink.net>
Source record: 5083
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

Difference is the out of towner asked. Transmitting unsolicited
information that has nothing to do with amateur radio sounds like
'broadcasting' to me (Why not play your favorite music?) and IIRC
broadcasting is illegal even if it's not done for profit. My 2 cents.
K3DWW

N4IXT wrote:
>
> It depends. As long as you make no money from the service, and you make no
> money from any of the businesses (i.e. they don't pay any advertising fees)
> then it should be legal. No different from an out of towner getting on the
> local repeater and shouting "hey, where's a good place to eat?".
>
> 73's,
>
> Robert / N4IXT
>
> "John" <johnfofawn@hotmail.com> wrote in message
> news:d89364bd.0209300437.73b1e24@posting.google.com...
> > Hi,
> >
> > Here is what I'm thinking:
> >
> > I set up my basestation 2 meter radio along with my computer. It
> > listens on a particular frequency and any time someone sends an APRS
> > packet to me, I'll have the computer look up the 5 closest restaurants
> > to them and then read back the restaurant names and addresses. I have
> > all the code required to do this, I just need to write some glue
> > software to make it all work together. The text-to-speech routines I
> > use are very easy to understand.
> >
> > Would this be allowed, or would this be commercial use?
> >
> > If this is allowed, I could see adding a DTMF interface whereby a user
> > could put my service into different modes for restaurants, shopping
> > centers, etc.
> >
> > What do you think?
> > John

2210. Re: Advice pse re 40M HF Ops & PACTOR

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-30 20:45:34 UTC
From: Dave Allen <david_e_allen@agilent.com>
Message-ID: <3D98B7EE.5EAB5D0F@agilent.com>
Source record: 5084
Cross-posted to: rec.radio.amateur.digital.misc,aus.radio.amateur.digital,alt.radio.amateur

I would at least look at the K2/100 from Elecraft http://www.elecraft.com/

Apparently you would need to have the ssb option for afsk (no fsk supported).

It seems small and tough, and since you build it - and test each sub-assembly as you build - you might stand a better chance of keeping it working in the field.

And I think you would find pactor-I sufficient unless you were going to transfer huge amounts of data. The pricetag on pactor-II is way more than I can justify - and the other station(s) would have to be equipped with it too.

dave allen, wb0taq

stephen wrote:

> Hello,
>
> I would like to know or have ideas of a suitable lightweight (jungle
> operation HF Rig) that can be used with PACTOR kit such as the KAM XL.
>
> Operating 40M in South Americas as part of a Medical Mission so portability
> is important so is robustness.
>
> 73's
>
> Stephen Thornber
> G6 SGA

2211. KPC-9612 Jumpers

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-30 20:48:01 UTC
From: mike_fenske <NO_SPAM>
Message-ID: <5M2m9.17180$OO4.947645@news1.telusplanet.net>
Source record: 5085

Hello all. I am trying to set up a KPC-9612 with a Tekk KS-960 for 9600 baud. I purchased the 9612 used and was unable to get a manual for it. I am wondering if someone could let me know what each of the jumpers inside the 9612 are for (J1 to J21) as well as the 3 pots (R22, R32, R33).

Thanks very much,

Mike Fenske
VE7MKF

2212. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-30 23:55:23 UTC
From: News Post Acount <bogus@bogus.com>
Message-ID: <Lv5m9.3700$xp5.3573506@news.alltel.net>
Source record: 5086
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

Don't forget you must have a control operator in control of the station at
all times.

Don Woodward
KD4APP
AMSAT 33535
http://kd4app.webhop.org

"John" <johnfofawn@hotmail.com> wrote in message
news:d89364bd.0209300437.73b1e24@posting.google.com...
> Hi,
>
> Here is what I'm thinking:
>
> I set up my basestation 2 meter radio along with my computer. It
> listens on a particular frequency and any time someone sends an APRS
> packet to me, I'll have the computer look up the 5 closest restaurants
> to them and then read back the restaurant names and addresses. I have
> all the code required to do this, I just need to write some glue
> software to make it all work together. The text-to-speech routines I
> use are very easy to understand.
>
> Would this be allowed, or would this be commercial use?
>
> If this is allowed, I could see adding a DTMF interface whereby a user
> could put my service into different modes for restaurants, shopping
> centers, etc.
>
> What do you think?
> John

2213. Re: KPC-9612 Jumpers

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-09-30 23:57:42 UTC
From: News Post Acount <bogus@bogus.com>
Message-ID: <Wx5m9.3701$xp5.3564663@news.alltel.net>
Source record: 5088

Try http://www.kantronics.com/downloads/pdf/KPC9612plus_manual.pdf

Don Woodward
KD4APP
AMSAT 33535
http://kd4app.webhop.org

"mike_fenske @telus.net (Mike Fenske)" <NO_SPAM> wrote in message
news:5M2m9.17180$OO4.947645@news1.telusplanet.net...
> Hello all. I am trying to set up a KPC-9612 with a Tekk KS-960 for 9600
baud.
> I purchased the 9612 used and was unable to get a manual for it. I am
> wondering if someone could let me know what each of the jumpers inside the
> 9612 are for (J1 to J21) as well as the 3 pots (R22, R32, R33).
>
> Thanks very much,
>
> Mike Fenske
> VE7MKF

2214. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-01 00:00:56 UTC
From: johnfofawn@hotmail.com
Message-ID: <d89364bd.0209301600.4e99d5df@posting.google.com>
Source record: 5087
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

Cool. That's what I thought too. Thanks!

John

"N4IXT" <n4ixt@arrl.net> wrote in message
news:<an9tp3$cfrf8$1@ID-105647.news.dfncis.de>...
> It depends. As long as you make no money from the service, and you make no
> money from any of the businesses (i.e. they don't pay any advertising fees)
> then it should be legal. No different from an out of towner getting on the
> local repeater and shouting "hey, where's a good place to eat?".
>
> 73's,
>
> Robert / N4IXT
>
>
>
> "John" <johnfofawn@hotmail.com> wrote in message
> news:d89364bd.0209300437.73b1e24@posting.google.com...
> > Hi,
> >
> > Here is what I'm thinking:
> >
> > I set up my basestation 2 meter radio along with my computer. It
> > listens on a particular frequency and any time someone sends an APRS
> > packet to me, I'll have the computer look up the 5 closest restaurants
> > to them and then read back the restaurant names and addresses. I have
> > all the code required to do this, I just need to write some glue
> > software to make it all work together. The text-to-speech routines I
> > use are very easy to understand.
> >
> > Would this be allowed, or would this be commercial use?
> >
> > If this is allowed, I could see adding a DTMF interface whereby a user
> > could put my service into different modes for restaurants, shopping
> > centers, etc.
> >
> > What do you think?
> > John

2215. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-01 00:56:13 UTC
From: Phil Kane <Phil.Kane@nov.shmovz.ka.pop>
Message-ID: <cuvyxnansvbet.h39txl6.pminews@netnews.attbi.com>
Source record: 5089
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

On 30 Sep 2002 17:00:56 -0700, John wrote:

>Cool. That's what I thought too. Thanks!

Yeah. Real cool bad advice. Settimg yourself up to be nailed for
prohibited communications.

---
73 de K2ASP - Phil Kane
ARRL Volunteer Counsel

2216. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-01 01:36:49 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <R_6m9.25666$095.21947@news1.central.cox.net>
Source record: 5090
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

"Phil Kane" <Phil.Kane@nov.shmovz.ka.pop> wrote
> On 30 Sep 2002 17:00:56 -0700, John wrote:
>
> >Cool. That's what I thought too. Thanks!
>
> Yeah. Real cool bad advice. Settimg yourself up to be nailed for
> prohibited communications.
>
> ---
> 73 de K2ASP - Phil Kane
> ARRL Volunteer Counsel

I hope the ARRL doesn't value your opinion, because it is wrong
in this case. It's not broadcasting, because someone has to trigger the
response i.e., two-way communication. Second, it is completely legal
if you are not doing it for profit. This is the famous ordering a pizza on
a phone patch, that the FCC doesn't have time for, and is not regulated.

Did you graduate in the bottom 10% of your class, or did you get a
correspondence degree? Sheesh...

2217. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-01 01:40:34 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <m27m9.25680$095.15210@news1.central.cox.net>
Source record: 5091
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

"News Post Acount" <bogus@bogus.com> wrote
> Don't forget you must have a control operator in control of the station at
> all times.
>
> Don Woodward
> KD4APP
> AMSAT 33535

Don, you bogus idiot, notice he said packet? Packet does not require a
control operator, and unattended mode is encouraged. The space shuttle
does this all the time, and we don't have to fly up there to take them to court
now do we?

2218. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-01 03:10:28 UTC
From: Tom <PumpkinNet@OldTimersMail3898.net>
Message-ID: <anb3ma$41e$0@pita.alt.net>
Source record: 5092
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

"Phil Kane" <Phil.Kane@nov.shmovz.ka.pop> wrote in message >

> Yeah. Real cool bad advice. Settimg yourself up to be nailed for
> prohibited communications.

> 73 de K2ASP - Phil Kane
> ARRL Volunteer Counsel
>

Nailed? By who? and for what? Gimmee a fuckin'
break!
Bullshit! Get a reality check Phil! K1MAN is still on the
air running unattended transmitters all day, splattering up and
down the ham bands. K1MAN has been thumbing his nose
at the commission, daring them to do something, and so far
the commission is hiding, pretending K1MAN doesn't exist.
And you can bet plenty people know Riley has been given
orders to leave K1MAN alone.

73,

Tom
Chief Operator
Pumpkin Old Timers Net

2219. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-01 04:52:18 UTC
From: News Post Acount <bogus@bogus.com>
Message-ID: <6S9m9.3719$xp5.3596687@news.alltel.net>
Source record: 5093
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

Hey Steve (Troll) K5OKC ...

Read Part 97.7 at

http://frwebgate.access.gpo.gov/cgi-bin/get-cfr.cgi?TITLE=47&PART=97&SECTION
=7&YEAR=2001&TYPE=TEXT

Sec. 97.7 Control operation required.

When transmitting, each amateur station must have a control operator.
The control operator must be a person:
(a) For whom an amateur operator/primary station license grant appears
on the ULS consolidated licensee database, or
(b) Who is authorized for alien reciprocal operation by Sec. 97.107 of
this part.

Packet doesn't get a break on this - and ISS does have a control operator -
the rules say nothing about where the control operator has to be.

Read some of the FCC enforcement letters - they always nail people on lack
of a control operator.

Now go back to CB where you came from - the Control Operator principle is
something you should have learned in the first few minutes when you were
studying for your HAM license.

73's

Don Woodward
KD4APP
AMSAT 33535
http://kd4app.webhop.org

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:m27m9.25680$095.15210@news1.central.cox.net...
> "News Post Acount" <bogus@bogus.com> wrote
> > Don't forget you must have a control operator in control of the station
at
> > all times.
> >
> > Don Woodward
> > KD4APP
> > AMSAT 33535
>
> Don, you bogus idiot, notice he said packet? Packet does not require a
> control operator, and unattended mode is encouraged. The space shuttle

> does this all the time, and we don't have to fly up there to take them to
court
> now do we?
>
>

2220. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-01 11:36:58 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <uNfm9.26837$095.13924@news1.central.cox.net>
Source record: 5094
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

"News Post Acount" <bogus@bogus.com> wrote
> Hey Steve (Troll) K5OKC ...
>
> Read Part 97.7 at
>
> Sec. 97.7 Control operation required.
>
> When transmitting, each amateur station must have a control operator.
> The control operator must be a person:
> (a) For whom an amateur operator/primary station license grant appears
> on the ULS consolidated licensee database, or
> (b) Who is authorized for alien reciprocal operation by Sec. 97.107 of
> this part.

97.109
(d) When a station is being automatically controlled, the control operator need
not be at the control point.

> Now go back to CB where you came from

Yawn.

2221. Re: Flexnet questions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-01 11:46:43 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <DWfm9.447$NK6.247624844@newssvr12.news.prodigy.com>
Source record: 5095

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
news:slrnaooajg.7aq.nomail@linux.pe1chl.ampr.org...
> Ken <cprstn54zz@att.net> wrote:
>
> > I guess this means that my KAM'98 could work efficiently as a Flexnet
> > TNC if only the Flexnet software were programmed to drive it.
> > Correct? If Flexnet is so major, why wouldn't Kantronics provide
> > 6PACK compatibility? Surely, they don't think they will change the
> > world?
>
> They probably have to decide what they do and what they don't implement
> within a limited budget of development time, memory space, etc.
>
> Rob

6-Pack (EPROM image) is 4.3k in size.

I heard someone talk about putting both the original TNC2 firmware and
6-pack on the same chip, then accessing 6-pack image instead of the regular
firmware by jumping a jumper in the TNC2. It was just a story I heard
though. I haven't seen it for myself.

I do not go for the theory that Kantronics is too overwhelmed by the
complexity of adding 6-Pack compatability to their equipment, or by the
great amount of space it would take up.

Kantronics has its own proprietary networking setup (K-nodes) and has been
concentrating heavily upon capturing a good share of the APRS market. I'm
sure that they have their reasons for not including 6-Pack in thier
firmware, but doubt it has anything to do with lack of capability or
competence on Kantronic's part.

After all, FlexNet is new in the U.S., and at this point, only a few states
(though highly populated ones) are currently covered by the new FlexNet
network in the northeast.

http://www.northeastflexnet.org/

So at this point, Kantronics is losing some sales in the northeastern U.S.
due to lack of 6-Pack compatability, but not enough to prompt them to
include it in their firmware. Check back in a few years, and it might be a
different story. You never know, Kantronics may even start to think about
sales in Europe!

Charles, N5PVL

2222. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-01 11:48:55 UTC
From: News Post Account <HighRulerOfRadio@TheBossOfRadios.com>
Message-ID: <anc22c$5h2$0@pita.alt.net>
Source record: 5096
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

No, that is not correct informtion you are posting.
Now go operate your CB packet station jackass.
hahahahahahahhahahhaha

"News Post Acount" <bogus@bogus.com> wrote in message
news:6S9m9.3719$xp5.3596687@news.alltel.net...
> Hey Steve (Troll) K5OKC ...
>
> Read Part 97.7 at
>
>
http://frwebgate.access.gpo.gov/cgi-bin/get-cfr.cgi?TITLE=47&PART=97&SECTION
> =7&YEAR=2001&TYPE=TEXT
>
> Sec. 97.7 Control operation required.
>
> When transmitting, each amateur station must have a control operator.
> The control operator must be a person:
> (a) For whom an amateur operator/primary station license grant appears
> on the ULS consolidated licensee database, or
> (b) Who is authorized for alien reciprocal operation by Sec. 97.107 of
> this part.
>
>
> Packet doesn't get a break on this - and ISS does have a control
operator -
> the rules say nothing about where the control operator has to be.
>
> Read some of the FCC enforcement letters - they always nail people on lack
> of a control operator.
>
> Now go back to CB where you came from - the Control Operator principle is
> something you should have learned in the first few minutes when you were
> studying for your HAM license.
>
> 73's
>
> Don Woodward
> KD4APP
> AMSAT 33535
> http://kd4app.webhop.org
>
>

> "Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
> news:m27m9.25680$095.15210@news1.central.cox.net...
> > "News Post Acount" <bogus@bogus.com> wrote
> > > Don't forget you must have a control operator in control of the
station
> at
> > > all times.
> > >
> > > Don Woodward
> > > KD4APP
> > > AMSAT 33535
> >
> > Don, you bogus idiot, notice he said packet? Packet does not require a
> > control operator, and unattended mode is encouraged. The space shuttle
> > does this all the time, and we don't have to fly up there to take them
to
> court
> > now do we?
> >
> >
>
>

2223. Re: Tiny-2 TNC Kit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-01 12:10:58 UTC
From: hamish@cloud.net.au
Message-ID: <3d9990d2$0$30861$afc38c87@news.optusnet.com.au>
Source record: 5097

lucifer@eternal-flames.gov wrote:
> On 28 Sep 2002 13:47:26 GMT, nomail@pe1chl.ampr.org (Rob Janssen)
> wrote:
>>What I find disappointing is that a TNC does not allow you to run your
>>own small application, instead of or in addition to the ones the firmware
>>designer has thought of. That would enable the use of a TNC for newly
>>developed applications without the constant upgrading of firmware.
>
> You would think one of the manufacturers would have done that by now.
> I suppose the downturn in packet activity has put them off.

There's an article by Mike Marcus N3JMM about software defined radio in
October 2002 QST. He suggests that manufacturers of commercial radios
which include DSP should allow much more user-reprogrammability of the
radio. However he concludes that one of the reasons they don't do this
is the user support aspects. The same would apply to user-programmable
TNCs.

The TNC2 is reprogrammable but you can't get the source code to the
latest release. In effect you would have to start from scratch.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

2224. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-01 13:08:55 UTC
From: News Post Acount <bogus@bogus.com>
Message-ID: <H7hm9.3730$xp5.3624754@news.alltel.net>
Source record: 5098
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

Stupid you are ASSuming.

I clealy said/quoted nothing about the control operator having to be at the
control point.

Go troll elsewhere Steve!

73's

Don Woodward
KD4APP
AMSAT 33535
http://kd4app.webhop.org

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:uNfm9.26837$095.13924@news1.central.cox.net...
> "News Post Acount" <bogus@bogus.com> wrote
> > Hey Steve (Troll) K5OKC ...
> >
> > Read Part 97.7 at
> >
> > Sec. 97.7 Control operation required.
> >
> > When transmitting, each amateur station must have a control
operator.
> > The control operator must be a person:
> > (a) For whom an amateur operator/primary station license grant
appears
> > on the ULS consolidated licensee database, or
> > (b) Who is authorized for alien reciprocal operation by Sec. 97.107
of
> > this part.
>
> 97.109
> (d) When a station is being automatically controlled, the control operator
need
> not be at the control point.
>
> > Now go back to CB where you came from
>
> Yawn.
>
>

2225. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-01 13:12:16 UTC
From: "Steve,K5OKC" <bogus@bogus.com>
Message-ID: <Qahm9.3731$xp5.3627332@news.alltel.net>
Source record: 5099
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

Two can play that game stupid CBer!!!!!!!

2226. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-01 13:23:56 UTC
From: News Post Account <bogus@bogus.com>
Message-ID: <Mlhm9.3733$xp5.3628110@news.alltel.net>
Source record: 5100
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

Why not put the entire section up there? It still says "Each amateur station must have at least one control point."

Sec. 97.109 Station control.

(a) Each amateur station must have at least one control point.
(b) When a station is being locally controlled, the control operator must be at the control point. Any station may be locally controlled.
(c) When a station is being remotely controlled, the control operator must be at the control point. Any station may be remotely controlled.
(d) When a station is being automatically controlled, the control operator need not be at the control point. Only stations specifically designated elsewhere in this part may be automatically controlled. Automatic control must cease upon notification by an EIC that the station is transmitting improperly or causing harmful interference to other stations. Automatic control must not be resumed without prior approval of the EIC.
(e) No station may be automatically controlled while transmitting third party communications, except a station transmitting a RTTY or data emission. All messages that are retransmitted must originate at a station that is being locally or remotely controlled.

Don Woodward
KD4APP
AMSAT 33535
http://kd4app.webhop.org
eBay: kd4app

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message news:uNfm9.26837$095.13924@news1.central.cox.net...

>
> 97.109
> (d) When a station is being automatically controlled, the control operator need
> not be at the control point.
>

2227. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-01 14:46:40 UTC
From: Number 79 <WhoSaidThat@channel79allday.com>
Message-ID: <anccfnaop0@pita.alt.net>
Source record: 5101
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

Yaaaaaawwwn! More SPAM

"Phil Kane" <Phil.Kane@nov.shmovz.ka.pop> wrote in message
news:cuvyxnansvbet.h39txl6.pminews@netnews.attbi.com...
> On 30 Sep 2002 17:00:56 -0700, John wrote:
>
> >Cool. That's what I thought too. Thanks!
>
> Yeah. Real cool bad advice. Settimg yourself up to be nailed for
> prohibited communications.
>
> ---
> 73 de K2ASP - Phil Kane
> ARRL Volunteer Counsel
>
>

2228. Re: Tiny-2 TNC Kit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-01 18:25:57 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnapjq5l.9cd.nomail@linux.pe1chl.ampr.org>
Source record: 5102

hamish@cloud.net.au <hamish@cloud.net.au> wrote:
> lucifer@eternal-flames.gov wrote:
>> On 28 Sep 2002 13:47:26 GMT, nomail@pe1chl.ampr.org (Rob Janssen)
>> wrote:
>>>What I find disappointing is that a TNC does not allow you to run your
>>>own small application, instead of or in addition to the ones the firmware
>>>designer has thought of. That would enable the use of a TNC for newly
>>>developed applications without the constant upgrading of firmware.

>> You would think one of the manufacturers would have done that by now.
>> I suppose the downturn in packet activity has put them off.

> There's an article by Mike Marcus N3JMM about software defined radio in
> October 2002 QST. He suggests that manufacturers of commercial radios
> which include DSP should allow much more user-reprogrammability of the
> radio. However he concludes that one of the reasons they don't do this
> is the user support aspects. The same would apply to user-programmable
> TNCs.

Yes, that is a problem. If I estimate the complexity of the problem well,
it will be much more work to write a document describing the available
API functions and the environment in which the application will operate,
than to actually implement the download functionality.

> The TNC2 is reprogrammable but you can't get the source code to the
> latest release. In effect you would have to start from scratch.

Or from the available KISS-mode sources. But that will mean the API
will only be "send and receive HDLC frame" and any connected-mode
functionality (the AX.25 protocol) will have to be provided by the
application.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

2229. Re: Tiny-2 TNC Kit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-01 18:55:28 UTC
From: Harvey Babb <WB5MCT@arrl.net>
Message-ID: <3D99EFA0.5020701@arrl.net>
Source record: 5103

Rob Janssen wrote:

> lucifer@eternal-flames.gov <lucifer@eternal-flames.gov> wrote:
>
>>>But a very small one, and with software that does
>>>little on application level. When you want to do something useful,
>>>you quickly will need a computer attached to it. (some versions provide
>>>a limited BBS but that's about it)
>>>
>
>>I totally agree with you. But that's not the point I was making.
>>The posting I responded to was suggesting that a saound-card based
>>system was as good as a TNC based system. It plainly is not. With
>>the latter you can leave the TNC (and radio) running, without an
>>additional computer and still enjoy the benefit(?) of a mailbox.
>>Additionally if your TNC has a K-node, you are providing a facility
>>which others in your area can possibly make use of.
>>
>
>>With a sound-card based system, though you can still have a mailbox
>>etc. All of that stops when you turn your computer off.
>>
>
>
> Many amateurs use a TNC to connect to others and to application systems,
> like a BBS or DX cluster. They do not really benefit from using a TNC
> instead of a soundcard (on a modern computer), as they need the computer
> for their keyboard/screen anyway, and they cannot do anything useful when
> the computer is turned off.
>
> I leave my computer on all the time, and I use an SCC card for packet.
> But for a small standalone application a TNC could be useful.
>
> What I find disappointing is that a TNC does not allow you to run your
> own small application, instead of or in addition to the ones the firmware
> designer has thought of. That would enable the use of a TNC for newly
> developed applications without the constant upgrading of firmware.
>
> It would be nice to download a (somewhat clever) APRS application and
> then attach a GPS receiver instead of the terminal. Or a weather
> station.
> Or write your own application for other telemetry or telecommand purposes,
> where the RS232 port of the TNC is connected to a given device with
> given protocol, and a small application is needed to talk to the device

> and use a sensible interface over the packet link.
>
> Not very difficult, but astonsishingly enough: not available. I have
> discussed it here in the past, and maybe I'll create something. But
> it always has to be more primitive than it could have been, because I
> will have to start from things like openly available KISS firmware,
> not the usual TNC2 firmware which is not open.
>
> Rob
>
Rob,

If you're serious about this, you might look at the firmware for the TNC-1, which IS freely available and should be fairly easy to modify for use on TNC-2 hardware. Sounds like something I'd have loved to have a few years back! (Before I got too old/lazy ;)

73,
Harvey
WB5MCT

2230. Re: KPC-9612 Jumpers

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-01 21:30:55 UTC
From: mike_fenske <NO_SPAM>
Message-ID: <juom9.19801$OO4.1115091@news1.telusplanet.net>
Source record: 5104

Thanks, but unfortunately the KPC-9612plus is different internally from the
KPC-9612. Jumper numbers are different and the drive levels are set digitally
instead of with pots.

Mike Fenske
VE7MKF

In article <Wx5m9.3701$xp5.3564663@news.alltel.net>, "News Post Acount"
<bogus@bogus.com> wrote:
>Try http://www.kantronics.com/downloads/pdf/KPC9612plus_manual.pdf
>
>Don Woodward
>KD4APP
>AMSAT 33535
>http://kd4app.webhop.org

2231. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-01 22:25:06 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <6hpm9.29144$095.3802@news1.central.cox.net>
Source record: 5105
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

"Steve,K5OKC" <bogus@bogus.com> wrote in message
news:Qahm9.3731$xp5.3627332@news.alltel.net...
> Two can play that game stupid CBer!!!!!!!

Obviously I am not on alltel.net...

Path: priapus.visi.com!news-out.visi.com!hermes.visi.com!attcg2!attsl2!
attsl1!ip.att.net!news.alltel.net!53ab2750!not-for-mail
Reply-To: "Steve,K5OKC" <bogus@bogus.com>
From: "Steve,K5OKC" <bogus@bogus.com>
Newsgroups: rec.radio.amateur.digital.misc,rec.radio.amateur.policy
References: <d89364bd.0209300437.73b1e24@posting.google.com>
<Lv5m9.3700$xp5.3573506@news.alltel.net>
<m27m9.25680$095.15210@news1.central.cox.net>
<6S9m9.3719$xp5.3596687@news.alltel.net> <uNfm9.26837$095.13924@news1.central.cox.net>
Subject: Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages
Lines: 6
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <Qahm9.3731$xp5.3627332@news.alltel.net>
Date: Tue, 01 Oct 2002 13:12:16 GMT
NNTP-Posting-Host: 162.40.213.110
X-Complaints-To: abuse@alltel.com
X-Trace: news.alltel.net 1033477936 162.40.213.110 (Tue, 01 Oct 2002 08:12:16 CDT)
NNTP-Posting-Date: Tue, 01 Oct 2002 08:12:16 CDT
Xref: cox.net rec.radio.amateur.digital.misc:113420 rec.radio.amateur.policy:238375
X-Received-Date: Tue, 01 Oct 2002 09:14:13 EDT (news1.central.cox.net)

Two can play that game stupid CBer!!!!!!!

2232. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-01 22:25:30 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <uhpm9.29145$095.9282@news1.central.cox.net>
Source record: 5106
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

"Steve,K5OKC" <bogus@bogus.com> wrote in message
news:Qahm9.3731$xp5.3627332@news.alltel.net...
> Two can play that game stupid CBer!!!!!!!

Obviously I am not on alltel.net...

Path: priapus.visi.com!news-out.visi.com!hermes.visi.com!attcg2!attsl2!
attsl1!ip.att.net!news.alltel.net!53ab2750!not-for-mail
Reply-To: "Steve,K5OKC" <bogus@bogus.com>
From: "Steve,K5OKC" <bogus@bogus.com>
Newsgroups: rec.radio.amateur.digital.misc,rec.radio.amateur.policy
References: <d89364bd.0209300437.73b1e24@posting.google.com>
<Lv5m9.3700$xp5.3573506@news.alltel.net>
<m27m9.25680$095.15210@news1.central.cox.net>
<6S9m9.3719$xp5.3596687@news.alltel.net> <uNfm9.26837$095.13924@news1.central.cox.net>
Subject: Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages
Lines: 6
X-Priority: 3
X-MSMail-Priority: Normal
X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Message-ID: <Qahm9.3731$xp5.3627332@news.alltel.net>
Date: Tue, 01 Oct 2002 13:12:16 GMT
NNTP-Posting-Host: 162.40.213.110
X-Complaints-To: abuse@alltel.com
X-Trace: news.alltel.net 1033477936 162.40.213.110 (Tue, 01 Oct 2002 08:12:16 CDT)
NNTP-Posting-Date: Tue, 01 Oct 2002 08:12:16 CDT
Xref: cox.net rec.radio.amateur.digital.misc:113420 rec.radio.amateur.policy:238375
X-Received-Date: Tue, 01 Oct 2002 09:14:13 EDT (news1.central.cox.net)

Two can play that game stupid CBer!!!!!!!

2233. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-01 23:10:34 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <KXpm9.65670$1C2.3140717@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5107
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

Aw come on ... he couldn't even spell your identity correctly
(that missing space after the comma).

Dumber than most forgers.

Shuffle a copy off to abuse of course ...

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:6hpm9.29144$095.3802@news1.central.cox.net...
> "Steve,K5OKC" <bogus@bogus.com> wrote in message
news:Qahm9.3731$xp5.3627332@news.alltel.net...
> > Two can play that game stupid CBer!!!!!!!
>
> Obviously I am not on alltel.net...
>
>
> Path: priapus.visi.com!news-out.visi.com!hermes.visi.com!attcg2!attsl2!
> attsl1!ip.att.net!news.alltel.net!53ab2750!not-for-mail
> Reply-To: "Steve,K5OKC" <bogus@bogus.com>
> From: "Steve,K5OKC" <bogus@bogus.com>
> Newsgroups: rec.radio.amateur.digital.misc,rec.radio.amateur.policy
> References: <d89364bd.0209300437.73b1e24@posting.google.com>
<Lv5m9.3700$xp5.3573506@news.alltel.net>
> <m27m9.25680$095.15210@news1.central.cox.net>
> <6S9m9.3719$xp5.3596687@news.alltel.net>
<uNfm9.26837$095.13924@news1.central.cox.net>
> Subject: Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages
> Lines: 6
> X-Priority: 3
> X-MSMail-Priority: Normal
> X-Newsreader: Microsoft Outlook Express 6.00.2600.0000
> X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
> Message-ID: <Qahm9.3731$xp5.3627332@news.alltel.net>
> Date: Tue, 01 Oct 2002 13:12:16 GMT
> NNTP-Posting-Host: 162.40.213.110
> X-Complaints-To: abuse@alltel.com
> X-Trace: news.alltel.net 1033477936 162.40.213.110 (Tue, 01 Oct 2002 08:12:16
CDT)

> NNTP-Posting-Date: Tue, 01 Oct 2002 08:12:16 CDT
> Xref: cox.net rec.radio.amateur.digital.misc:113420
rec.radio.amateur.policy:238375
> X-Received-Date: Tue, 01 Oct 2002 09:14:13 EDT (news1.central.cox.net)
>
> Two can play that game stupid CBer!!!!!!!
>
>

2234. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-01 23:18:04 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <M2qm9.29152$095.24002@news1.central.cox.net>
Source record: 5108
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

I think he thought I was the one forging an earlier post, but I'm not energetic enough to manipulate my IE (which cox.net stamps anyway)...

"Hank Oredson" <horedson@att.net> wrote
> Aw come on ... he couldn't even spell your identity correctly
> (that missing space after the comma).
>
> Dumber than most forgers.
>
> Shuffle a copy off to abuse of course ...
>
> --
>
> ... Hank
>
> Hank: http://horedson.home.att.net
> W0RLI: http://w0rli.home.att.net
>
> "Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
> news:6hpm9.29144$095.3802@news1.central.cox.net...
> > "Steve,K5OKC" <bogus@bogus.com> wrote in message
> news:Qahm9.3731$xp5.3627332@news.alltel.net...
> > > Two can play that game stupid CBer!!!!!!!
> >
> > Obviously I am not on alltel.net...

2235. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-02 02:53:11 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <rctm9.79235$jG2.4339548@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5109
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

When I don't want people to know who I am ...
... I use a different email client, on a different machine,
via a different ISP, and have a totally different identity.

... it is soooo much simpler that way :-)

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:M2qm9.29152$095.24002@news1.central.cox.net...
> I think he thought I was the one forging an earlier post, but I'm not
> energetic enough to manipulate my IE (which cox.net stamps
> anyway)...
>
>
> "Hank Oredson" <horedson@att.net> wrote
> > Aw come on ... he couldn't even spell your identity correctly
> > (that missing space after the comma).
> >
> > Dumber than most forgers.
> >
> > Shuffle a copy off to abuse of course ...
> >
> > --
> >
> > ... Hank
> >
> > Hank: http://horedson.home.att.net
> > W0RLI: http://w0rli.home.att.net
> >
> > "Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
> > news:6hpm9.29144$095.3802@news1.central.cox.net...
> > > "Steve,K5OKC" <bogus@bogus.com> wrote in message
> > news:Qahm9.3731$xp5.3627332@news.alltel.net...
> > > > Two can play that game stupid CBer!!!!!!!
> > >
> > > Obviously I am not on alltel.net...
>
>

2236. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-02 02:54:39 UTC
From: Phil Kane <Phil.Kane@nov.shmovz.ka.pop>
Message-ID: <cuvyxnansvbet.h3btuk7.pminews@netnews.attbi.com>
Source record: 5110
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

On Mon, 30 Sep 2002 23:10:28 -0400, Tom wrote:

> Bullshit! Get a reality check Phil! K1MAN is still on the
>air running unattended transmitters all day, splattering up and
>down the ham bands. K1MAN has been thumbing his nose
>at the commission, daring them to do something, and so far
>the commission is hiding, pretending K1MAN doesn't exist.
>And you can bet plenty people know Riley has been given
>orders to leave K1MAN alone.

And this is the reply/excuse that you will offer if and when you
get caught on someone's complaint?

Don't worry about someone else's hind end - make sure YOURS is
covered.

---
73 de K2ASP - Phil Kane

2237. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-02 02:54:40 UTC
From: Phil Kane <Phil.Kane@nov.shmovz.ka.pop>
Message-ID: <cuvyxnansvbet.h3btxw8.pminews@netnews.attbi.com>
Source record: 5111
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

On Tue, 01 Oct 2002 01:36:49 GMT, Steve, K5OKC wrote:

>I hope the ARRL doesn't value your opinion, because it is wrong
>in this case. It's not broadcasting, because someone has to trigger the
>response i.e., two-way communication. Second, it is completely legal
>if you are not doing it for profit. This is the famous ordering a pizza on
>a phone patch, that the FCC doesn't have time for, and is not regulated.
>
>Did you graduate in the bottom 10% of your class, or did you get a
>correspondence degree? Sheesh...

Know before whom you stand .....

Killfile activated.

---
73 de K2ASP - Phil Kane

2238. Quecan warning (Sunair GSB-900)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-02 03:26:01 UTC
From: Don Smith <desmith@innercite.com>
Message-ID: <upkpthfr62vrb4@corp.supernews.com>
Source record: 5112

Well it looks as though Quecan of Canada is going to try to shaft me on the Sunair GSB-900SC I purchased from them through Ebay.

I paid almost 500.00 for it plus 100.00 shipping. Upon arrival I found that there were problems in the power supply, It had a bad microphone, the power cord was missing, and that nine printed circuit boards were removed and missing.

I attempted to contact them and they avoided me for a couple of days. When they finally did I contact me I was told that it was sold AS-IS and I was stuck with it. I tried to get them to agree in either a partial or full refund or even to just send the boards. So far they have refused to try and correct the situation in any way.

While I can repair the problems in the power supply and even replace the mike cord, I do expect that the radio be complete.

Can I get any of my fellow green radio collectors to contact them and help get this resolved.

The contact person is Christiane Boplduc
813 St-Jacques
St-Jean-sur-Richelieu,
Quebec J3B 2N2

Telephone 450 346-7460
Fax 450 346-7638
Email quecan@qc.airca.com

Any help would be greatly appreciated. Thanks Don Smith KB6GQA

2239. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-02 04:44:08 UTC
From: Unclaimed Mysteries <k4doh@mindspring.com>
Message-ID: <andth4$c22$1@slb0.atl.mindspring.net>
Source record: 5113
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

"Vito" <vito@crosslink.net> wrote in part:

> (Why not play your favorite music?)

Whose favorite music? And invoke the awesome fiery wrath of Clear Channel Communionications? Dude, don't even give him the idea. Forget the FCC. The FCC is 0WN3D by the likes of Clear Channel.

Corry
--
It Came From C. L. Smith's Unclaimed Mysteries.
http://www.unclaimedmysteries.net/

2240. Setup AX25 <-> IP <-> ax25 gateway

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-02 08:01:27 UTC
From: Steven Sporkmann <steven@broering.de>
Message-ID: <ane94n$906$1@news1.ewetel.de>
Source record: 5114

Hi,

it is possible to set up an ax25 <-> ip <-> ax25 gateway with my linux 2.4.2
(i have only an dynamic ip to the internet (changes every 24hours))

regard
--
Steven Sporkmann
(dd8ba)

2241. Re: Tiny-2 TNC Kit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-02 11:46:03 UTC
From: hamish@cloud.net.au
Message-ID: <3d9adc7b$0$30860$afc38c87@news.optusnet.com.au>
Source record: 5115

Rob Janssen <nomail@pe1chl.ampr.org> wrote:
> hamish@cloud.net.au <hamish@cloud.net.au> wrote:
>> There's an article by Mike Marcus N3JMM about software defined radio in
>> October 2002 QST. He suggests that manufacturers of commercial radios
>> which include DSP should allow much more user-reprogrammability of the
>> radio. However he concludes that one of the reasons they don't do this
>> is the user support aspects. The same would apply to user-programmable
>> TNCs.
>
> Yes, that is a problem. If I estimate the complexity of the problem well,
> it will be much more work to write a document describing the available
> API functions and the environment in which the application will operate,
> than to actually implement the download functionality.

That sounds about right. Alternatively, the vendor could release their
code with little documentation and say "use the source, Luke." Keen
developers could work out the API.

> Or from the available KISS-mode sources. But that will mean the API
> will only be "send and receive HDLC frame" and any connected-mode
> functionality (the AX.25 protocol) will have to be provided by the
> application.

There are lots of recent TNC applications which don't involve a host
computer though (APRS). Still, it must be possible - there's a
relatively new APRS-specific digipeater called UIDIGI that is a new ROM
for the TNC2.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

2242. Re: Quecan warning (Sunair GSB-900)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-02 15:14:41 UTC
From: mr_dreameng@hotmail.com
Message-ID: <3d9b0caf.2498659943@news.boeing.com>
Source record: 5116

On Tue, 1 Oct 2002 20:26:01 -0700, "Don Smith" <desmith@innercite.com>
wrote:

>Well it looks as though Quecan of Canada is going to try to shaft me on the
>Sunair GSB-900SC I purchased from them through Ebay.

<snip>

I'm sorry you got hit. I will add my own warning as well. I
got a Tektronix plug-in extender from them on Ebay. They communicated
well, and shipped promptly, so I had no cause for complaint on that
score.

However: The plastic guide on the back of the extender was
broken, and there was no mention of this in the auction. The item was
sold in 'as-is' condition, so it's pretty much a gray area as to
whether I have any real recourse (I don't think I do).

I would urge all the group's readers to be very careful about
dealing with QueCan. Period.

The preceding opinions are mine alone. Boeing had nothing to do with
them other than providing the Usenet pipe.

73 de KC7GR

2243. Re: Tiny-2 TNC Kit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-02 17:15:55 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnapmaeb.lag.nomail@linux.pe1chl.ampr.org>
Source record: 5117

hamish@cloud.net.au <hamish@cloud.net.au> wrote:
> Rob Janssen <nomail@pe1chl.ampr.org> wrote:
>> hamish@cloud.net.au <hamish@cloud.net.au> wrote:
>>> There's an article by Mike Marcus N3JMM about software defined radio in
>>> October 2002 QST. He suggests that manufacturers of commercial radios
>>> which include DSP should allow much more user-reprogrammability of the
>>> radio. However he concludes that one of the reasons they don't do this
>>> is the user support aspects. The same would apply to user-programmable
>>> TNCs.

>> Yes, that is a problem. If I estimate the complexity of the problem well,
>> it will be much more work to write a document describing the available
>> API functions and the environment in which the application will operate,
>> than to actually implement the download functionality.

> That sounds about right. Alternatively, the vendor could release their
> code with little documentation and say "use the source, Luke." Keen
> developers could work out the API.

I understand that the writer of the TNC2 firmware cannot release the source
due to contractual obligations.

>> Or from the available KISS-mode sources. But that will mean the API
>> will only be "send and receive HDLC frame" and any connected-mode
>> functionality (the AX.25 protocol) will have to be provided by the
>> application.

> There are lots of recent TNC applications which don't involve a host
> computer though (APRS). Still, it must be possible - there's a
> relatively new APRS-specific digipeater called UIDIGI that is a new ROM
> for the TNC2.

Of course that is possible. But that alternative ROM has to support
everything from the hardware up. Possible, but it would be more attractive
to write only the application, not the AX.25 stuff.
(for a digipeater this would probably only be possible with the KISS based
firmware anyway. but for a simple telecommanding/telemetry application it
would be attractive to have the normal TNC firmware available)

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

2244. AX.25 HF 300 baud preamble: 01111111 ???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-02 18:20:49 UTC
From: johnfofawn@hotmail.com
Message-ID: <d89364bd.0210021020.14d10529@posting.google.com>
Source record: 5118

I'm looking at the output of an FM demod of an AX.25 transmission on
HF.

I see
01111111 (0 and 7 1's)
5 times

After the 5 "preambles" I see what looks to be the start of the data

The first 8 data bits look to be

01110101

From the AX.25 spec I thought the first 8 data bits would be the flag
sequence:

01111110

Does anyone know why I might be confused? This is a very clean signal
so I can eye-ball the bits.

Thanks!
John

2245. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-02 19:05:36 UTC
From: "B. Smith" <b.smith@ou.edu>
Message-ID: <EiHm9.221$95.4992@news.ou.edu>
Source record: 5119
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

That's quite a bit different than:

> Don't forget you must have a control operator in control of the station at
> all times.
>
> Don Woodward
> KD4APP

Packet radio must have a control operator (usually the callsign given in
the from or via address), but the control operator does not have to be
at the control point.

It is entirely possible to have a packet radio station on the air while you
are asleep, and 100 miles away from the control point.

Thus there is no legal restriction to the proposed "Yellow Pages" idea.

"News Post Account" <bogus@bogus.com> wrote
>
> Why not put the entire section up there? It still says "Each amateur
station
> must have at least one control point."

2246. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-02 20:14:20 UTC
From: Jim Hampton <aa2qa@frontiernet.net>
Message-ID: <upmkv7191b85c7@corp.supernews.com>
Source record: 5120
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

Phil, perhaps you'd best explain. I am NOT a lawyer and in this case you ask one (and if you have to ask, it is likely a no-no). My understanding is that the amateur cannot make any money AND THE BUSINESS CANNOT MAKE ANY MONEY. To me, this would be 'advertising', not the same as asking 'where's a good place to eat'. It certainly isn't the same as hitting the patch and placing an order for pizza. I'd certainly not try it, but would appreciate it you could explain the correct reasoning behind this (my news server has been down for a couple of days or I'd have jumped in this sooner).

73 from Rochester, NY
Jim

"Phil Kane" <Phil.Kane@nov.shmovz.ka.pop> wrote in message news:cuvyxnansvbet.h39txl6.pminews@netnews.attbi.com...
> On 30 Sep 2002 17:00:56 -0700, John wrote:
>
> >Cool. That's what I thought too. Thanks!
>
> Yeah. Real cool bad advice. Settimg yourself up to be nailed for
> prohibited communications.
>
> ---
> 73 de K2ASP - Phil Kane
> ARRL Volunteer Counsel
>
>

2247. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-02 22:52:00 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <kMKm9.81081$jG2.4425286@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5121
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy
Body handling: HTML body converted to readable text

It is also possible to have more than one control operator.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"B. Smith" wrote in message
news:EiHm9.221$95.4992@news.ou.edu...
> That's quite a bit different than:
>
> > Don't forget you must have a control operator in control of the station at
> > all times.
> >
> > Don Woodward
> > KD4APP
>
> Packet radio must have a control operator (usually the callsign given in
> the from or via address), but the control operator does not have to be
> at the control point.
>
> It is entirely possible to have a packet radio station on the air while you
> are asleep, and 100 miles away from the control point.
>
> Thus there is no legal restriction to the proposed "Yellow Pages" idea.
>
> "News Post Account" wrote
> >
> > Why not put the entire section up there? It still says "Each amateur
> station
> > must have at least one control point."
>
>

2248. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-02 23:00:53 UTC
From: News Post Account <bogus@bogus.com>
Message-ID: <FUKm9.123$yw4.121849@news.alltel.net>
Source record: 5122
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy
Body handling: HTML body converted to readable text

I never said where the control point/operator has to be - please READ don't
ASSume!

73's

Don Woodward
KD4APP
AMSAT 33535
http://kd4app.webhop.org

"B. Smith" wrote in message
news:EiHm9.221$95.4992@news.ou.edu...
> That's quite a bit different than:
>
> > Don't forget you must have a control operator in control of the station
at
> > all times.
> >
> > Don Woodward
> > KD4APP
>
> Packet radio must have a control operator (usually the callsign given in
> the from or via address), but the control operator does not have to be
> at the control point.
>
> It is entirely possible to have a packet radio station on the air while
you
> are asleep, and 100 miles away from the control point.
>
> Thus there is no legal restriction to the proposed "Yellow Pages" idea.
>
> "News Post Account" wrote
> >
> > Why not put the entire section up there? It still says "Each amateur
> station
> > must have at least one control point."
>
>

2249. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-03 01:26:45 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <p1Nm9.3919$nh2.199@news1.central.cox.net>
Source record: 5123
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy
Body handling: HTML body converted to readable text

```
If you're asleep 100 miles from the control point, then you are
"not in control of the station at all times."

"News Post Account" wrote
>
> I never said where the control point/operator has to be
>
> "B. Smith" wrote
> >
> > That's quite a bit different than:
> >
> > > Don't forget you must have a control operator in control of the station
> > > at all times.
> >
> > Packet radio must have a control operator (usually the callsign given in
> > the from or via address), but the control operator does not have to be
> > at the control point.
> >
> > It is entirely possible to have a packet radio station on the air while
> > you are asleep, and 100 miles away from the control point.
> >
> > Thus there is no legal restriction to the proposed "Yellow Pages" idea.
> >
> > "News Post Account" wrote
> > >
> > > Why not put the entire section up there? It still says "Each amateur
> > > station must have at least one control point."
```

2250. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-03 02:06:27 UTC
From: News Post Account <bogus@bogus.com>
Message-ID: <DCNm9.161$yw4.134770@news.alltel.net>
Source record: 5124
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy
Body handling: HTML body converted to readable text

AMEN!

Don Woodward
KD4APP
AMSAT 33535
http://kd4app.webhop.org

"Steve, K5OKC" wrote ...

> If you're asleep 100 miles from the control point, then you are
> "not in control of the station at all times."
>
> > > "B. Smith" wrote
> > >
> > > It is entirely possible to have a packet radio station on the air
while
> > > you are asleep, and 100 miles away from the control point.
> > >
> > > Thus there is no legal restriction to the proposed "Yellow Pages"
idea.

2251. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-03 02:58:35 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <vnOm9.67401$1C2.3278837@bgtnsc04-news.ops.worldnet.att.net>
Source record: 5125
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy
Body handling: HTML body converted to readable text

This ground has been covered in HUGE detail back in 1982-86.

The control operator is not required to click a button to allow
each packet to pass through the system he is controlling, but
only to be able to shut it down when notified there is a problem.

I know of at least one case where a control operator shut
down a system 2000 miles away, using an HF link, when
he discovered a system failure. I know of another case where
a control operator drove 50 miles to pull a breaker on a
failing system. Note that "system failure" might mean "was
passing not allowed traffic" when there were automated
means intended to detect and block such traffic.

No problem if you are sleeping ... someone will wake you :-)

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"Steve, K5OKC" wrote in message
news:p1Nm9.3919$nh2.199@news1.central.cox.net...
> If you're asleep 100 miles from the control point, then you are
> "not in control of the station at all times."
>
> "News Post Account" wrote
> >
> > I never said where the control point/operator has to be
> >
> > "B. Smith" wrote
> > >
> > > That's quite a bit different than:
> > >
> > > > Don't forget you must have a control operator in control of the station
> > > > at all times.
> > >
> > > Packet radio must have a control operator (usually the callsign given in
> > > the from or via address), but the control operator does not have to be
> > > at the control point.
> > >
> > > It is entirely possible to have a packet radio station on the air while

> > > you are asleep, and 100 miles away from the control point.
> > >
> > > Thus there is no legal restriction to the proposed "Yellow Pages" idea.
> > >
> > > "News Post Account" wrote
> > > >
> > > > Why not put the entire section up there? It still says "Each amateur
> > > > station must have at least one control point."
>
>

2252. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-03 03:16:20 UTC
From: Phil Kane <Phil.Kane@nov.shmovz.ka.pop>
Message-ID: <cuvyxnansvbet.h3dpls9.pminews@netnews.attbi.com>
Source record: 5126
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

On Wed, 2 Oct 2002 16:14:20 -0400, Jim Hampton wrote:

>Phil, perhaps you'd best explain. I am NOT a lawyer and in this case you
>ask one (and if you have to ask, it is likely a no-no). My understanding is
>that the amateur cannot make any money AND THE BUSINESS CANNOT MAKE ANY
>MONEY. To me, this would be 'advertising', not the same as asking 'where's
>a good place to eat'. It certainly isn't the same as hitting the patch and
>placing an order for pizza. I'd certainly not try it, but would appreciate
>it you could explain the correct reasoning behind this (my news server has
>been down for a couple of days or I'd have jumped in this sooner).

You are right on target. The issue isn't the "control operator",
it's the nature of the content. Just as a "one shot" patch to The
Pizza Place is OK but conducting business with them on a regular
basis via ham radio isn't, asking "where's a good place to get
....." is OK but having a server respond automatically to every
such contact isn't OK. Section 97.113 of thr Rules may be good for
curing insomnia but it's still "the word". Amateur radio is not
supposed to be a substitute for any commercial service.

True, the FCC hasn't been spending as much time as necessary in
amateur regulation lately, but that's no guarantee that if this type
of stuff starts becoming commonplace the hapless amateur who does
this wom't get nailed.

Of course, the non-lawyers here who are sure that I am wrong must have
spent more than the 30 years that I did in FCC field enforcement and
must have more legal experience in interpreting the FCC Rules for
enforcement purposes (which is what I do for a living).

'Nuff of this stuff....

---
73 de K2ASP - Phil Kane

2253. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-03 06:11:19 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <bcRm9.4784$nh2.3616@news1.central.cox.net>
Source record: 5127
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

"Phil Kane" <Phil.Kane@nov.shmovz.ka.pop> wrote
>
> True, the FCC hasn't been spending as much time as necessary in
> amateur regulation lately, but that's no guarantee that if this type
> of stuff starts becoming commonplace the hapless amateur who does
> this wom't get nailed.

"nailed!" That's funny...

> Of course, the non-lawyers here who are sure that I am wrong must have
> spent more than the 30 years that I did in FCC field enforcement and
> must have more legal experience in interpreting the FCC Rules for
> enforcement purposes (which is what I do for a living).

Did you "nail" them with "interpretation", or only just "hammer" them?

2254. HamBBS at Yahoogroups

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-03 07:15:00 UTC
From: g3tmh@gb7abc.net
Message-ID: <g3tmh000252@hamradio>
Source record: 5139

Hi, I have set up HamBBS at yahoo groups as a central point where
we can exchange details of amateur radio telnet and nntp BBS's that
also have access on the internet.

If you know of any such sites, please post details on the yahoo site.

Thanks

--

Ken <g3tmh@gb7abc.net>.
For remote servers list
e-mail help@gb7abc.freeserve.co.uk
Web site. http://www.gb7abc.net

2255. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-03 09:27:39 UTC
From: News Post Account <bogus@bogus.com>
Message-ID: <f4Um9.186$yw4.165879@news.alltel.net>
Source record: 5128
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

Phil:

The only thing applicable to the "Yellow Pages" idea in 97.113 that I see is "(5) Communications, on a regular basis, which could reasonably be furnished alternatively through other radio services.".

I asked a respected APRS person what he thought of the legality of the "Yellow Pages" idea, and he said "There will be many that say it is ok. there will be many that will think it is the end of HAM radio as we know it...".

You're right on target on the FCC - from what I've read of the enforcement letters sent out by the FCC on HAM related matters, it appears as though in the majority, the investigation that initiated the letters are based on a complaint by someone - another ham/neighbor,etc. and rarely if ever by the FCC. The reason I mentioned "Control Operator" is that lack of control/control operator is a common "catch-all" if the FCC can't find anything else to nail the violator on - kind of like the IRS' infamous "Income Tax Evasion". You are right - control operator is not what will make the "Yellow Pages" application prohibited but it's one issue the person who does implement this will have to deal with.

73's

Don Woodward
KD4APP
AMSAT 33535
http://kd4app.webhop.org

"Phil Kane" <Phil.Kane@nov.shmovz.ka.pop> wrote in message news:cuvyxnansvbet.h3dpls9.pminews@netnews.attbi.com...
>
> You are right on target. The issue isn't the "control operator",
> it's the nature of the content. Just as a "one shot" patch to The
> Pizza Place is OK but conducting business with them on a regular
> basis via ham radio isn't, asking "where's a good place to get
> ....." is OK but having a server respond automatically to every
> such contact isn't OK. Section 97.113 of thr Rules may be good for
> curing insomnia but it's still "the word". Amateur radio is not
> supposed to be a substitute for any commercial service.
>
> True, the FCC hasn't been spending as much time as necessary in
> amateur regulation lately, but that's no guarantee that if this type
> of stuff starts becoming commonplace the hapless amateur who does
> this wom't get nailed.

>
> Of course, the non-lawyers here who are sure that I am wrong must have
> spent more than the 30 years that I did in FCC field enforcement and
> must have more legal experience in interpreting the FCC Rules for
> enforcement purposes (which is what I do for a living).
>
> 'Nuff of this stuff....
>
> ---
> 73 de K2ASP - Phil Kane
>
>

2256. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-03 12:13:03 UTC
From: "A. W. Shears" <EWQ@seehearsewq.org>
Message-ID: <anhc7lvae0@pita.alt.net>
Source record: 5129
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

"Phil Kane" <Phil.Kane@nov.shmovz.ka.pop> wrote in message
news:cuvyxnansvbet.h3dpls9.pminews@netnews.attbi.com...
> On Wed, 2 Oct 2002 16:14:20 -0400, Jim Hampton wrote:
>
> >Phil, perhaps you'd best explain. I am NOT a lawyer and in this case you
> >ask one (and if you have to ask, it is likely a no-no). My understanding
is
> >that the amateur cannot make any money AND THE BUSINESS CANNOT MAKE ANY
> >MONEY. To me, this would be 'advertising', not the same as asking
'where's
> >a good place to eat'. It certainly isn't the same as hitting the patch
and
> >placing an order for pizza. I'd certainly not try it, but would
appreciate
> >it you could explain the correct reasoning behind this (my news server
has
> >been down for a couple of days or I'd have jumped in this sooner).
>
> You are right on target. The issue isn't the "control operator",
> it's the nature of the content. Just as a "one shot" patch to The
> Pizza Place is OK but conducting business with them on a regular
> basis via ham radio isn't, asking "where's a good place to get
> ....." is OK but having a server respond automatically to every
> such contact isn't OK. Section 97.113 of thr Rules may be good for
> curing insomnia but it's still "the word". Amateur radio is not
> supposed to be a substitute for any commercial service.
>
> True, the FCC hasn't been spending as much time as necessary in
> amateur regulation lately, but that's no guarantee that if this type
> of stuff starts becoming commonplace the hapless amateur who does
> this wom't get nailed.
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> Of course, the non-lawyers here who are sure that I am wrong must have
> spent more than the 30 years that I did in FCC field enforcement and
> must have more legal experience in interpreting the FCC Rules for
> enforcement purposes (which is what I do for a living).
>
> 'Nuff of this stuff....
>
> ---
> 73 de K2ASP - Phil Kane
>
>

Yes, now go to your room and repeat three times,
"I am relevant, I am relevant, I am relevant."
Then come back here and report your findings.

73,

A.W.

2257. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-03 12:27:51 UTC
From: Speedy <123you@123youdorg.com>
Message-ID: <anhd3c$1lv$0@pita.alt.net>
Source record: 5130
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy
Body handling: HTML body converted to readable text

Yup, and if I recall, the same out-of-touch arrogant
bureaucrat who started that mess, then went to a Little League
baseball game and created a federal case out of a radar gun
the coaches were using to time balls pitched by the kids. No
better example of how arrogant federal bureaucrats have long
forgotten their correct place as lowly servants of the people.
Nevertheless, if I recall, the same wacko bureaucrat died a few
years later of cancer. Strange, how some things come full
circle, eventually.

Narod

"Hank Oredson" wrote in message
news:vnOm9.67401$1C2.3278837@bgtnsc04-news.ops.worldnet.att.net...
> This ground has been covered in HUGE detail back in 1982-86.
>
> The control operator is not required to click a button to allow
> each packet to pass through the system he is controlling, but
> only to be able to shut it down when notified there is a problem.
>
> I know of at least one case where a control operator shut
> down a system 2000 miles away, using an HF link, when
> he discovered a system failure. I know of another case where
> a control operator drove 50 miles to pull a breaker on a
> failing system. Note that "system failure" might mean "was
> passing not allowed traffic" when there were automated
> means intended to detect and block such traffic.
>
> No problem if you are sleeping ... someone will wake you :-)
>
> --
>
> ... Hank
>
> Hank: http://horedson.home.att.net
> W0RLI: http://w0rli.home.att.net
>
> "Steve, K5OKC" wrote in message
> news:p1Nm9.3919$nh2.199@news1.central.cox.net...
> > If you're asleep 100 miles from the control point, then you are
> > "not in control of the station at all times."
> >
> > "News Post Account" wrote

> > >
> > > I never said where the control point/operator has to be
> > >
> > > "B. Smith" wrote
> > > >
> > > > That's quite a bit different than:
> > > >
> > > > > Don't forget you must have a control operator in control of the
station
> > > > > at all times.
> > > >
> > > > Packet radio must have a control operator (usually the callsign
given in
> > > > the from or via address), but the control operator does not have to
be
> > > > at the control point.
> > > >
> > > > It is entirely possible to have a packet radio station on the air
while
> > > > you are asleep, and 100 miles away from the control point.
> > > >
> > > > Thus there is no legal restriction to the proposed "Yellow Pages"
idea.
> > > >
> > > > "News Post Account" wrote
> > > > >
> > > > > Why not put the entire section up there? It still says "Each
amateur
> > > > > station must have at least one control point."
> > >
> > >
> >
>

2258. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-03 13:15:31 UTC
From: News Post <Rock71FMS@theygoonaallynites.com>
Message-ID: <anhfsp$816$0@pita.alt.net>
Source record: 5131
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

Hey Phil, your friends over in ba.broadcast are clamoring
for your "official pontifications." Why don't you trundle over
there for a while and cool down while we low lifes over here
discuss things. 73, Stevie

"Phil Kane" <Phil.Kane@nov.shmovz.ka.pop> wrote in message
news:cuvyxnansvbet.h3dpls9.pminews@netnews.attbi.com...
> On Wed, 2 Oct 2002 16:14:20 -0400, Jim Hampton wrote:
>
> >Phil, perhaps you'd best explain. I am NOT a lawyer and in this case you
> >ask one (and if you have to ask, it is likely a no-no). My understanding
is
> >that the amateur cannot make any money AND THE BUSINESS CANNOT MAKE ANY
> >MONEY. To me, this would be 'advertising', not the same as asking
'where's
> >a good place to eat'. It certainly isn't the same as hitting the patch
and
> >placing an order for pizza. I'd certainly not try it, but would
appreciate
> >it you could explain the correct reasoning behind this (my news server
has
> >been down for a couple of days or I'd have jumped in this sooner).
>
> You are right on target. The issue isn't the "control operator",
> it's the nature of the content. Just as a "one shot" patch to The
> Pizza Place is OK but conducting business with them on a regular
> basis via ham radio isn't, asking "where's a good place to get
> ....." is OK but having a server respond automatically to every
> such contact isn't OK. Section 97.113 of thr Rules may be good for
> curing insomnia but it's still "the word". Amateur radio is not
> supposed to be a substitute for any commercial service.
>
> True, the FCC hasn't been spending as much time as necessary in
> amateur regulation lately, but that's no guarantee that if this type
> of stuff starts becoming commonplace the hapless amateur who does
> this wom't get nailed.
>
> Of course, the non-lawyers here who are sure that I am wrong must have
> spent more than the 30 years that I did in FCC field enforcement and
> must have more legal experience in interpreting the FCC Rules for
> enforcement purposes (which is what I do for a living).
>
> 'Nuff of this stuff....

>
> ---
> 73 de K2ASP - Phil Kane
>
>

2259. Re: Are yellow pages allowed - find out for sure.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-03 14:38:47 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3D9C5677.8B2E6D72@crosslink.net>
Source record: 5132
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

Phil Kane wrote:
> You are right on target. The issue isn't the "control operator",
> it's the nature of the content. ...

I agree with Phil but YMMV. Tell ya what: go ahead and do it then have your local ARRL Observer complain to the FCC and see what happens. Worst you'll get is a letter telling you to quit and asking to explain why you did it, followed by a fine or license action. Then you can set us all straight.

:o) K3DWW

2260. Re: Are yellow pages allowed - find out for sure.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-03 15:39:22 UTC
From: Ha ha ha <HaHaHa@youJackAsshahahah.com>
Message-ID: <anhoak$qs0$0@pita.alt.net>
Source record: 5133
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

"Vito" <vito@crosslink.net> wrote in message
news:3D9C5677.8B2E6D72@crosslink.net...
> Phil Kane wrote:
> > You are right on target. The issue isn't the "control operator",
> > it's the nature of the content. ...
>
> I agree with Phil but YMMV. Tell ya what: go ahead and do it then have
> your local ARRL Observer complain to the FCC and see what happens. Worst
> you'll get is a letter telling you to quit and asking to explain why you
> did it, followed by a fine or license action. Then you can set us all
> straight.
>
> :o) K3DWW
>
How long have you been suffering from these delusions?

2261. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-03 16:21:29 UTC
From: K&#65533;HB <KAYZEROHANDSOMEBOY@ELECTRICSMOKE.NET>
Message-ID: <d8_m9.6610$lV3.653384@newsread1.prod.itd.earthlink.net>
Source record: 5134
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

Read 97.219(b) and 97.219(d)(2). Then decide.

--
&#65533;&#65533;&#65533; 73, de Hans, K0HB
SOC # 291 http://www.qsl.net/soc
--
There is no voodoo or magic associated with RF
propagation. There are several perfectly sound
technical reasons why it is beneficial to occasionally
sacrifice a goat in your antenna field.

2262. Re: Need Sunair GSB-900 boards

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-03 19:05:15 UTC
From: Dave Allen <david_e_allen@agilent.com>
Message-ID: <3D9C94EB.1346EDF@agilent.com>
Source record: 5136
Cross-posted to: rec.radio.amateur.boatanchors,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.swap

Hopefully you have told eBay about your experience. You can at least give the dealer a black mark on eBay which will hopefully warn other potential customers. And enough black marks can even ban them from eBay.

dave allen, wb0taq, colorado

2263. FT-ONE Parting Out!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-03 19:51:03 UTC
From: "Mitch, W4OA" <w4oa@arrl.net>
Message-ID: <upp7t8112q4v93@corp.supernews.com>
Source record: 5137
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.s

ups trashed my ft-one beyond repair... so i am parting
it out...

gone - if board, ram board, fm board
left - everything else, including knobs, meters, power
supply, etc.

i also have the original owners manual and the yaesu
technical (service) manual...

no reasonable offer(s) refused!

mitch, w4oa
w4oa@vibroplex.com

2264. Re: FT-ONE Parting Out!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-03 19:56:20 UTC
From: "Mitch, W4OA" <w4oa@arrl.net>
Message-ID: <upp875pvbk4h89@corp.supernews.com>
Source record: 5138
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.swap

"Mitch, W4OA" <w4oa@arrl.net> wrote in message news:...
>
> ups trashed my ft-one beyond repair... so i am parting
> it out...
>
> gone - if board, ram board, fm board
> left - everything else, including knobs, meters, power
> supply, etc.
>
> i also have the original owners manual and the yaesu
> technical (service) manual...
>
> no reasonable offer(s) refused!
>
> mitch, w4oa
> w4oa@vibroplex.com
>
>
>

2265. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-03 20:30:28 UTC
From: Jim Hampton <aa2qa@frontiernet.net>
Message-ID: <uppa9ddt24evd6@corp.supernews.com>
Source record: 5135
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

John,

There has been a lot of arguing over this thread, but I had a thought. Forget the FCC for a minute. I recently read that some companies are suing 'Gator'. It seems they advertise and pay for the advertising, but the Gator ads sometimes cover theirs - PLUS Gator's ad may be for a competitor. I've a question. Suppose - just suppose - some licensed amateur receives that packet with those restaurants - and happens to own another restaurant that isn't listed. Just perhaps your biggest problem might suddenly not be the FCC .... BTW, if you're an ARRL member, a lot of the folks in this newsgroup just might turn to page 9 of the October, 2002, issue of QST. That is one heck of a good editorial. I suggest you read it and consider what it is saying.

73 from Rochester, NY
Jim AA2QA

"John" <johnfofawn@hotmail.com> wrote in message
news:d89364bd.0209300437.73b1e24@posting.google.com...
> Hi,
>
> Here is what I'm thinking:
>
> I set up my basestation 2 meter radio along with my computer. It
> listens on a particular frequency and any time someone sends an APRS
> packet to me, I'll have the computer look up the 5 closest restaurants
> to them and then read back the restaurant names and addresses. I have
> all the code required to do this, I just need to write some glue
> software to make it all work together. The text-to-speech routines I
> use are very easy to understand.
>
> Would this be allowed, or would this be commercial use?
>
> If this is allowed, I could see adding a DTMF interface whereby a user
> could put my service into different modes for restaurants, shopping
> centers, etc.
>
> What do you think?
> John

2266. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-03 22:54:36 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <MU3n9.6616$nh2.2669@news1.central.cox.net>
Source record: 5140
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

True. I would fear a capitalist more than a socialist, but
the government is now hiring mostly non-professional
people to run the fascist police agencies, and with laws
that allow them to confiscate and sell your property before
trial, they are giving the capitalists a true run for their money.

I've never been a member of the in-bred mafia there in New
England, although I did write an article for them once, that
was rejected, and I sold it to another magazine. What are
they bitching about now?

"Jim Hampton" <aa2qa@frontiernet.net> wrote
> John,
>
> There has been a lot of arguing over this thread, but I had a thought.
> Forget the FCC for a minute. I recently read that some companies are suing
> 'Gator'. It seems they advertise and pay for the advertising, but the Gator
> ads sometimes cover theirs - PLUS Gator's ad may be for a competitor. I've
> a question. Suppose - just suppose - some licensed amateur receives that
> packet with those restaurants - and happens to own another restaurant that
> isn't listed. Just perhaps your biggest problem might suddenly not be the
> FCC .... BTW, if you're an ARRL member, a lot of the folks in this newsgroup
> just might turn to page 9 of the October, 2002, issue of QST. That is one
> heck of a good editorial. I suggest you read it and consider what it is
> saying.
>
> 73 from Rochester, NY
> Jim AA2QA

2267. Re: Need Sunair GSB-900 boards

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-03 23:16:30 UTC
From: Don Smith <desmith@innercite.com>
Message-ID: <uppjugegbp8j9b@corp.supernews.com>
Source record: 5141
Cross-posted to: rec.radio.amateur.boatanchors,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.swap

I have filed a complaint against the Quecan company in Canada with the Ebay Safe Harbor site. Not sure if it will do any good. Thanks for your support. Don
"Dave Allen" <david_e_allen@agilent.com> wrote in message news:3D9C94EB.1346EDF@agilent.com...
> Hopefully you have told eBay about your experience. You can at least
> give the dealer a black mark on eBay which will hopefully warn other
> potential customers. And enough black marks can even ban them from eBay.
>
> dave allen, wb0taq, colorado
>

2268. Wireless Page updated with DX Cluster pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-04 03:33:10 UTC
From: Tomas Hood - NW7US <nw7us@hfradio.removethislittlepart.org>
Message-ID: <0A725B5AE13007CD.90BDFD10C92975A1.DEE4001B9EEDBF6D@lp.airnews.net>
Source record: 5142
Cross-posted to: rec.radio.amateur.dx,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.digital.misc

Howdy, folks.

This message is about my ham radio resource for those who have WIRELESS access to WML pages. In otherwords, if you have a cellphone or pda that can read WML (like an Ericsson or Nokia, and so forth), or, you use Opera (the Webbrowser), then you can access the special format of the radio pages at http://wap.hfradio.org/ - if you browse that page with a normal webbrowser (say, Netscape or MSIE), you will be redirected to the normal HTML pages at http://hfradio.org

With that said:

I've added a large number of additional DX Cluster pages - spots by band, by special interest (IOTA, Mobile, QRP, and so on), announcements and wwv reports. These WML pages are NOT on my normal site (since they are from the DX Summit site). These pages are an interface for WIRELESS browsers to the DX Summit pages. If you are a wireless device user (cellphone, pda) that can browse WML pages, check out

http://wap.hfradio.org/

There are more resources than just the DX Cluster, by the way. I also provide live propagation data, forecasts, and related information.

I'd love to hear how the WML works on your cellphone or other WML device. I have tried to create pages that render well on all versions, and so forth.

Enjoy.

73 de Tomas, NW7US // AAR0JA
--
: Propagation Editor, CQ/PopComm Magazines - Member, USArmy MARS :
: http://prop.hfradio.org : Brinnon, Washington 122.93W 47.67N :
: A creator of solutions : http://accessnow.com : Perl Rules! :
: 10x56526 - FISTS 7055 - FISTS NW 57 - http://hfradio.org/barsc :
: A.R.Lighthouse Society 144 -- CW, SSB, RTTY, AMTOR, DX-Hunting :

2269. Re: Are yellow pages allowed on 2 meters? ARPS -> Yellow Pages

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-04 04:01:25 UTC
From: Robert Casey <wa2ise@ix.netcom.com>
Message-ID: <3D9D1295.DD353AAC@ix.netcom.com>
Source record: 5143
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

Phil Kane wrote:

> Amateur radio is not
> supposed to be a substitute for any commercial service.
>

This rule exists to protect our bands. From being taken over
by commercial interests. I'd forget about the yellow pages
thing on a ham repeater.

2270. Re: Are yellow pages allowed - find out for sure.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-04 04:06:31 UTC
From: Robert Casey <wa2ise@ix.netcom.com>
Message-ID: <3D9D13C7.61D685A2@ix.netcom.com>
Source record: 5144
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

Vito wrote:

> I agree with Phil but YMMV. Tell ya what: go ahead and do it then have
> your local ARRL Observer complain to the FCC and see what happens. Worst
> you'll get is a letter telling you to quit and asking to explain why you
> did it, followed by a fine or license action. Then you can set us all
> straight.

The FCC would ask you to shut it down if they had a problem with
it. Only if you then didn't would the fines and stuff happen.

It's not like the FCC will pounce on you for using the wrong mode
in some subband by mistake once.

2271. My reatrime APRS screenshots

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-04 10:08:01 UTC
From: Patrick Marullaz <pm.acces@free.fr>
Message-ID: <3d9d6883$0$32405$626a54ce@news.free.fr>
Source record: 5145

Hi all,

Try to visit my APRS screenshots at url:
http://f5tci.free.fr/aprs/index.html

It's only local APRS packet radio RX on 30m and 2m
here on my QTH JN36IE (bad 2m links today).
These Win95's screenshots are uploaded each minute
and your navigator will refresh the page regularly.

Pse, your infos/suggestions to f5tci@tiscali.fr

Enjoy on APRS and 73's.

--
Patrick, F5TCI, the French Alps
Also active on tcp/ip APRS with -4 ssid

2272. Re: My reatrime APRS screenshots

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-04 10:11:51 UTC
From: Patrick Marullaz <pm.acces@free.fr>
Message-ID: <3d9d6966$0$32414$626a54ce@news.free.fr>
Source record: 5146

"Realtime" on this obect post, not "reatrime"
Sorry my fingers ! :-)

Patrick, F5TCI

2273. Can anyone decode AX.25 bits? (was Re: AX.25 HF 300 baud preamble: 01111111 ???)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-04 12:12:38 UTC
From: johnfofawn@hotmail.com
Message-ID: <d89364bd.0210040412.181a4cea@posting.google.com>
Source record: 5147

Can anyone decode this AX.25 bit stream.

It is one station trying to initiate a connection to another station.
I inserted the first few line breaks just to expose the starting
pattern.

I thought that I would see the flag sequence 01111110. Any idea why I
don't? Is that not sent until after a connection is established?

01111111
01111111
01111111
01111111
01111111
01111001
10001010
01001000
1010111001110110011001011010100001111001100010100100100010101110011101100110010111010111000000110101101011100101110000000100000001000000001

Thanks,
John

johnfofawn@hotmail.com (John) wrote in message
news:<d89364bd.0210021020.14d10529@posting.google.com>...
> I'm looking at the output of an FM demod of an AX.25 transmission on
> HF.
>
> I see
> 01111111 (0 and 7 1's)
> 5 times
>
> After the 5 "preambles" I see what looks to be the start of the data
>
> The first 8 data bits look to be
>
> 01110101
>
> From the AX.25 spec I thought the first 8 data bits would be the flag
> sequence:
>
> 01111110
>
> Does anyone know why I might be confused? This is a very clean signal

> so I can eye-ball the bits.
>
> Thanks!
> John

2274. New Flex32 and soundcard packet

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-04 13:54:58 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <S4hn9.304$HG7.163456166@newssvr30.news.prodigy.com>
Source record: 5148

I have been running Flex32 in my Win98 machine for some time, but have had to use a 6-Pack TNC because I never could get the SoundModem driver to work. Some Hams would report excellent results with the SoundModem driver, while others had trouble getting the PTT to work. I was one of those who was having trouble. On some machines it did fine, on others it didn't. So when I ran Flex32 on my Win98 machine, I had to use a TNC with the 6-Pack firmware.

The FlexNet group recently released a new version of Flex32, intended for all versions of Windows from Win95 on up. Out of curiosity, I downloaded it and tried it out.

I was pleasantly surprised to see that the SoundModem driver for the new version works perfectly with my Win98 computer.

If you have tried Flex32 and the SoundModem in the past and was dissatisfied, it might be worth your while to download the new version and give it a try. Be sure to get both the new version of Flex32, and the latest SoundModem driver.

http://www.afthd.tu-darmstadt.de/~flexnet/

If you are not into IP, a good terminal program designed to work with Flex32 is Paxon.

http://www.paxon.de/download.php

This gives you a really nice soundcard packet setup for Windows. I have heard that the new version of Flex32 works with Windows XP, but haven't verified that yet.

Charles, N5PVL
webmaster@uspacket.net
http://www.uspacket.net

2275. Re: Can anyone decode AX.25 bits? (was Re: AX.25 HF 300 baud preamble: 01111111 ???)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-04 15:19:31 UTC
From: "B. Smith" <b.smith@ou.edu>
Message-ID: <wain9.230$95.4977@news.ou.edu>
Source record: 5149

You need to find a good woman!

"John" <johnfofawn@hotmail.com> wrote
> Can anyone decode this AX.25 bit stream.

2276. Re: Are yellow pages allowed - find out for sure.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-04 15:21:35 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3D9DB1FF.68738F32@crosslink.net>
Source record: 5150
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

Ha ha ha wrote:
>
> >
> How long have you been suffering from these delusions?

Since I began reading enforcement letters like
<http://www.arrl.org/news/enforcement_logs/2002/0921.html?nc=1>

2277. Re: Need Sunair GSB-900 boards

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-04 17:25:12 UTC
From: ni4l@msn.com
Message-ID: <d4a0748e.0210040925.1dd59f34@posting.google.com>
Source record: 5001
Cross-posted to: rec.radio.amateur.boatanchors,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.swap

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1375531710
http://procyonhosts.net/quecan/photo_en_permanace/afterauctionrules.html

"Don Smith" <desmith@innercite.com> wrote in message
news:<uppjugegbp8j9b@corp.supernews.com>...
> I have filed a complaint against the Quecan company in Canada with the Ebay
> Safe Harbor site. Not sure if it will do any good. Thanks for your
> support. Don
> "Dave Allen" <david_e_allen@agilent.com> wrote in message
> news:3D9C94EB.1346EDF@agilent.com...
> > Hopefully you have told eBay about your experience. You can at least
> > give the dealer a black mark on eBay which will hopefully warn other
> > potential customers. And enough black marks can even ban them from eBay.
> >
> > dave allen, wb0taq, colorado
> >

2278. Re: Can anyone decode AX.25 bits? (was Re: AX.25 HF 300 baud preamble: 01111111 ???)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-04 18:10:41 UTC
From: lucifer@eternal-flames.gov
Message-ID: <gllrpuobong37k1q04b0r73dmfj4skvoi7@4ax.com>
Source record: 5002
Body handling: HTML body converted to readable text

On Fri, 4 Oct 2002 10:19:31 -0500, "B. Smith" wrote:

>You need to find a good woman!

He'd have more fun with a bad woman. ;-)

Old Nick.

2279. Re: AX.25 HF 300 baud preamble: 01111111 ???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-04 18:31:30 UTC
From: Peter Hunt <news@peterhunt.zoetermeernet.nl>
Message-ID: <ankmqkreg1@news1.xs4all.nl>
Source record: 5003

> I see
> 01111111 (0 and 7 1's)
> 5 times
>
> After the 5 "preambles" I see what looks to be the start of the data

Aren't these "preambles" the TX-delay?

> Thanks!
> John

Bye, Peter.

2280. Re: Need Sunair GSB-900 boards

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-04 21:53:19 UTC
From: "Peter O. Brackett" <ab4bc@ix.netcom.com>
Message-ID: <anl2ka$6tb$1@slb6.atl.mindspring.net>
Source record: 5004
Cross-posted to: rec.radio.amateur.boatanchors,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.swap

OT:

Is Sunair still in business, I tried to bring up their web site and got a
"404" message?

--Peter K1PO
Indialantic By-the-Sea, FL

"Don Smith" <desmith@innercite.com> wrote in message
news:upkr3ncn7ibe35@corp.supernews.com...
> I am in need of a Sunair GSB-900SC or most any model GSB-900's for parts.
>
> The radio I bought from a dealer in Canada was stripped and nine pc boards
> were removed and missing.
>
> Might anyone out there have any spare boards or a unit that can be used
for
> parts. Also need the manual or a copy of it. Please reply via email.
> Thanks Don Smith KB6GQAhg
>
>

2281. Re: Need Sunair GSB-900 boards

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-04 22:04:29 UTC
From: N8KDV <n8kdv@iserv.net>
Message-ID: <3D9E106D.56188317@iserv.net>
Source record: 5005
Cross-posted to: rec.radio.amateur.boatanchors,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.swap

Hi Peter,

I just did a web search for Sunair and came up with this for Sunair Electronics.
Hope it might be what you want.

http://www.sunairhf.com/

Steve
Holland, MI

"Peter O. Brackett" wrote:

> OT:
>
> Is Sunair still in business, I tried to bring up their web site and got a
> "404" message?
>
> --Peter K1PO
> Indialantic By-the-Sea, FL
>
> "Don Smith" <desmith@innercite.com> wrote in message
> news:upkr3ncn7ibe35@corp.supernews.com...
> > I am in need of a Sunair GSB-900SC or most any model GSB-900's for parts.
> >
> > The radio I bought from a dealer in Canada was stripped and nine pc boards
> > were removed and missing.
> >
> > Might anyone out there have any spare boards or a unit that can be used
> for
> > parts. Also need the manual or a copy of it. Please reply via email.
> > Thanks Don Smith KB6GQAhg
> >
> >

2282. Re: Need Sunair GSB-900 boards

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-04 22:29:35 UTC
From: Skipp <skippsaysnothankstospam@yahoo.com>
Message-ID: <anl4of$se4$4@woodrow.ucdavis.edu>
Source record: 5006
Cross-posted to: rec.radio.amateur.boatanchors,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.swap

Hate to rain your parade Don, but the auction original policy page
included the proper sold as-is statement. Your pretty much out of luck...
caused by your own actions.

I've had nothing but great results with Quecan and the many items I've
bought through/from them. You simply didn't ask enough or the
right type of questions...

cheers
skipp

: In rec.radio.amateur.homebrew Don Smith <desmith@innercite.com> wrote:
: I have filed a complaint against the Quecan company in Canada with the Ebay
: Safe Harbor site. Not sure if it will do any good. Thanks for your
: support. Don
: "Dave Allen" <david_e_allen@agilent.com> wrote in message
: news:3D9C94EB.1346EDF@agilent.com...
:> Hopefully you have told eBay about your experience. You can at least
:> give the dealer a black mark on eBay which will hopefully warn other
:> potential customers. And enough black marks can even ban them from eBay.
:>
:> dave allen, wb0taq, colorado
:>

2283. Re: AX.25 HF 300 baud preamble: 01111111 ???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-04 23:17:24 UTC
From: johnfofawn@hotmail.com
Message-ID: <d89364bd.0210041517.5f927d98@posting.google.com>
Source record: 5007

"Peter Hunt" <news@peterhunt.zoetermeernet.nl> wrote in message
news:<ankmqkreg1@news1.xs4all.nl>...
> > I see
> > 01111111 (0 and 7 1's)
> > 5 times
> >
> > After the 5 "preambles" I see what looks to be the start of the data
>
> Aren't these "preambles" the TX-delay?

I see where it talks about TXDELAY as a timer in the AX.25 spec, but I
don't see where this bit sequence is associated with it.

Also, if this is the TX-Delay bit sequence, wouldn't the flag pattern
directly follow it?

Any help you might provide would be much appreciated.

Thanks,
John

>
> > Thanks!
> > John
>
> Bye, Peter.

2284. Re: AX.25 HF 300 baud preamble: 01111111 ???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-05 00:16:37 UTC
From: Peter Hunt <news@peterhunt.zoetermeernet.nl>
Message-ID: <anlb8r$2q3$1@news1.xs4all.nl>
Source record: 5008

> I see where it talks about TXDELAY as a timer in the AX.25 spec,
> but I don't see where this bit sequence is associated with it.
>
> Also, if this is the TX-Delay bit sequence, wouldn't the flag pattern
> directly follow it?

Try decreasing/increasing the TX-delay, and than see what the
bitstream does...

> Thanks,
> John

Bye, Peter.

2285. FlexNet list

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-05 00:40:26 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <_xqn9.658$se2.184185908@newssvr12.news.prodigy.com>
Source record: 5009

Howdy, John!

Today I posted to the FlexNet list, and got back a message saying my post was being held for moderation.

Has there been a problem there?

Charles, N5PVL

2286. Re: Are yellow pages allowed - find out for sure.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-05 05:16:28 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <MAun9.3964$k_2.223801@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5010
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.policy

"Vito" <vito@crosslink.net> wrote in message
news:3D9DB1FF.68738F32@crosslink.net...
> Ha ha ha wrote:
> >
> > >
> > How long have you been suffering from these delusions?
>
> Since I began reading enforcement letters like
> <http://www.arrl.org/news/enforcement_logs/2002/0921.html?nc=1>

Which one of those relates to the topic under discussion:

One ham asks another
"Are there any places to eat near here?"
the other ham replies
"Yes, here are some I know about."

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2287. Re: Need Sunair GSB-900 boards

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-05 05:24:44 UTC
From: "Peter O. Brackett" <ab4bc@ix.netcom.com>
Message-ID: <anlt2n$3h1$1@nntp9.atl.mindspring.net>
Source record: 5011
Cross-posted to: rec.radio.amateur.boatanchors,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.swap

Steve: Yep, that's the Sunair URL, the site seems to be working now. Must have been off the air or hung for a while... --Peter K1PO

"N8KDV" <n8kdv@iserv.net> wrote in message news:3D9E106D.56188317@iserv.net...
> Hi Peter,
>
> I just did a web search for Sunair and came up with this for Sunair Electronics.
> Hope it might be what you want.
>
> http://www.sunairhf.com/
>
> Steve
> Holland, MI
>
> "Peter O. Brackett" wrote:
>
> > OT:
> >
> > Is Sunair still in business, I tried to bring up their web site and got a
> > "404" message?
> >
> > --Peter K1PO
> > Indialantic By-the-Sea, FL
> >
> > "Don Smith" <desmith@innercite.com> wrote in message
> > news:upkr3ncn7ibe35@corp.supernews.com...
> > > I am in need of a Sunair GSB-900SC or most any model GSB-900's for parts.
> > >
> > > The radio I bought from a dealer in Canada was stripped and nine pc boards
> > > were removed and missing.
> > >
> > > Might anyone out there have any spare boards or a unit that can be used
> > for
> > > parts. Also need the manual or a copy of it. Please reply via email.
> > > Thanks Don Smith KB6GQAhg
> > >

> > >
>

2288. Re: AX.25 HF 300 baud preamble: 01111111 ???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-05 09:10:54 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnaptb4u.bb6.nomail@linux.pe1chl.ampr.org>
Source record: 5012

John <johnfofawn@hotmail.com> wrote:
> "Peter Hunt" <news@peterhunt.zoetermeernet.nl> wrote in message
news:<ankmqkreg1@news1.xs4all.nl>...
>> > I see
>> > 01111111 (0 and 7 1's)
>> > 5 times
>> >
>> > After the 5 "preambles" I see what looks to be the start of the data

>> Aren't these "preambles" the TX-delay?

> I see where it talks about TXDELAY as a timer in the AX.25 spec, but I
> don't see where this bit sequence is associated with it.

> Also, if this is the TX-Delay bit sequence, wouldn't the flag pattern
> directly follow it?

You still seem to have missed the NRZI part. The bit sequence you see in
general discussions about HDLC is not transmitted on air, it is first
converted from NRZ to NRZI.

Indeed there is no defined bitpattern for TXDELAY. The only thing that
is defined is that there is at least one FLAG before the packet. The
TXDELAY could consist entirely of FLAG sequences, or it could be something
different. It does not matter.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

2289. Yes, I can... Re: Can anyone decode AX.25 bits? (was Re: AX.25 HF 300 baud preamble: 01111111 ???)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-05 18:06:30 UTC
From: "Dana H. Myers" <dana@dioxine.net>
Message-ID: <3d9f2a22$1@wobble>
Source record: 4956

I'm a sucker for mysteries, I guess.

OK, John, I wrote a little Java program this morning
that implements the HDLC decoding process, and I'll
send you the source code if it will help you figure
out how to do AX.25 bit banging.

Anyway, here's what I decoded, columns are
hex, hex >> 1, char, char >> 1:

ae 57 ï¿½ W
86 43 ? C
64 32 d 2
b0 58 ï¿½ X
a6 53 ï¿½ S
8a 45 ? E
e0 70 ï¿½ p

ae 57 ï¿½ W
86 43 ? C
64 32 d 2
b0 58 ï¿½ X
a6 53 ï¿½ S
8a 45 ? E
61 30 a 0

3f 1f ? - Control = 0x3f, SABM (P)

84 42 ? B
c5 62 ï¿½ b - FCS

It's WC2XSE>WC2XSE SABM(P)

What do I win?

Anyone else want the program I wrote to decode this?
The AX.25 spec really is good about telling you everything
you need, except the HDLC bit stuffing stuff is not trivial
at first, try reading the 85C30 databook ;-)

Yes, I really have a life, but this was just a fun to
sling some code around.

;-)

Dana K6JQ
k6jq@arrl.net

John wrote:
> Can anyone decode this AX.25 bit stream.
>
> It is one station trying to initiate a connection to another station.
> I inserted the first few line breaks just to expose the starting
> pattern.
>
> I thought that I would see the flag sequence 01111110. Any idea why I
> don't? Is that not sent until after a connection is established?
>
> 01111111
> 01111111
> 01111111
> 01111111
> 01111111
> 01111001
> 10001010
> 01001000
> 10101110011101100110010110101000011110011000101001001000101011100111011001100101111010111
0000001101011010111001011100000001000000100000001
>
>
> Thanks,
> John
>
>
> johnfofawn@hotmail.com (John) wrote in message
news:<d89364bd.0210021020.14d10529@posting.google.com>...
>
>>I'm looking at the output of an FM demod of an AX.25 transmission on
>>HF.
>>
>>I see
>>01111111 (0 and 7 1's)
>>5 times
>>
>>After the 5 "preambles" I see what looks to be the start of the data
>>
>>The first 8 data bits look to be
>>
>>01110101
>>
>>From the AX.25 spec I thought the first 8 data bits would be the flag
>>sequence:
>>
>>01111110
>>
>>Does anyone know why I might be confused? This is a very clean signal
>>so I can eye-ball the bits.

2290. Garmin Peer to Peer Positioning

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-05 19:59:19 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <rwHn9.15194$nh2.9632@news1.central.cox.net>
Source record: 5013

This is Garmin's APRS-lite for its FRS radio that was due
out in June, but is still vapor-ware in October.

Patent: http://www.delphion.com/details?&pn=US06373430__

Link: http://www.garmin.com/products/rino/

FYI

Steve

2291. Re: Garmin Peer to Peer Positioning

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-05 20:03:47 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <DAHn9.15195$nh2.3755@news1.central.cox.net>
Source record: 5014

> Patent: http://www.delphion.com/details?&pn=US06373430__

Ack--Put two underlines on the end above

http://www.delphion.com/details?&pn=US06373430__#

2292. KPC-3 TNC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-05 21:00:06 UTC
From: Robert <ne8r@RelayLeague.net>
Message-ID: <qpln9.10975$lV3.1042498@newsread1.prod.itd.earthlink.net>
Source record: 5015

Help - Recently purchased a used KPC-3 v8.2 from a ham on ebay. After much trial and error, I was able to communicate with the TNC via Hyperterm but not consistently (4800 baud, 8N1, Xon/Xoff). After turning the unit off and moving my laptop I can no longer communicate with the TNC. The power light fluctuates when hyperterm is running but no information come back on the screen. I have tried 110-9600 baud and hardware/Xon Xoff hand shaking to no avail. I was supplied a KPC-3 PLUS manual with the unit but the pc board is not identical so I don't know where the hard reset jumper is.

Does anyone know where I can get a copy of the manual and/or the hard reset? Any suggestions on communicating with the unit - I am assuming the unit is in good working order since it did work at one point. Have also tried Packterm (dos) and Packterm (windows) with no luck - just gives me a communications error on the TNC.

Robert
NE8R

2293. Re: KPC-3 TNC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-05 22:32:31 UTC
From: Mark Waldron <mark@cybermechanica.com>
Message-ID: <3d9f6880$1_7@nopics.sjc>
Source record: 5016

Sometimes the on-board battery can cause erratic behavior if
it is below the voltage specification. You might try testing the
battery, and if it is borderline (or worse) replace it and see if
the TNC's behavior stabilizes.

Just one possibility... :)

"Robert" <ne8r@RelayLeague.net> wrote in message
news:qpIn9.10975$lV3.1042498@newsread1.prod.itd.earthlink.net...
> Help - Recently purchased a used KPC-3 v8.2 from a ham on ebay. After
much
> trial and error, I was able to communicate with the TNC via Hyperterm but
> not consistently (4800 baud, 8N1, Xon/Xoff). After turning the unit off
and
> moving my laptop I can no longer communicate with the TNC. The power
light
> fluctuates when hyperterm is running but no information come back on the
> screen. I have tried 110-9600 baud and hardware/Xon Xoff hand shaking to
no
> avail. I was supplied a KPC-3 PLUS manual with the unit but the pc board
is
> not identical so I don't know where the hard reset jumper is.
>
> Does anyone know where I can get a copy of the manual and/or the hard
reset?
> Any suggestions on communicating with the unit - I am assuming the unit is
> in good working order since it did work at one point. Have also tried
> Packterm (dos) and Packterm (windows) with no luck - just gives me a
> communications error on the TNC.
>
> Robert
> NE8R
>
>

2294. Re: AX.25 HF 300 baud preamble: 01111111 ???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-06 00:06:19 UTC
From: johnfofawn@hotmail.com
Message-ID: <d89364bd.0210051606.73c1f536@posting.google.com>
Source record: 5017

nomail@pe1chl.ampr.org (Rob Janssen) wrote in message
news:<slrnaptb4u.bb6.nomail@linux.pe1chl.ampr.org>...
> John <johnfofawn@hotmail.com> wrote:
> > "Peter Hunt" <news@peterhunt.zoetermeernet.nl> wrote in message
news:<ankmqkreg1@news1.xs4all.nl>...
> >> > I see
> >> > 01111111 (0 and 7 1's)
> >> > 5 times
> >> >
> >> > After the 5 "preambles" I see what looks to be the start of the data
>
> >> Aren't these "preambles" the TX-delay?
>
> > I see where it talks about TXDELAY as a timer in the AX.25 spec, but I
> > don't see where this bit sequence is associated with it.
>
> > Also, if this is the TX-Delay bit sequence, wouldn't the flag pattern
> > directly follow it?
>
> You still seem to have missed the NRZI part. The bit sequence you see in
> general discussions about HDLC is not transmitted on air, it is first
> converted from NRZ to NRZI.

I just grep'ed for nrzi and "non return" in the spec and there were no
matches. Can you point me to the section that discusses this. It
sounds like I'm missing something pretty fundamental. Thanks for
helping me figure it out.

>
> Indeed there is no defined bitpattern for TXDELAY. The only thing that
> is defined is that there is at least one FLAG before the packet. The
> TXDELAY could consist entirely of FLAG sequences, or it could be something
> different. It does not matter.

Makes sense. Thanks for the explanation.

John
>
> Rob

2295. Re: Tiny-2 TNC Kit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-06 02:29:43 UTC
From: hamish@cloud.net.au
Message-ID: <3d9fa017$0$22176$afc38c87@news.optusnet.com.au>
Source record: 5018

Rob Janssen <nomail@pe1chl.ampr.org> wrote:
> I understand that the writer of the TNC2 firmware cannot release the source
> due to contractual obligations.

So I've heard. Surely as time goes on, this can be reviewed.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

2296. Re: Tiny-2 TNC Kit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-06 03:04:32 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <4LNn9.17709$nh2.14693@news1.central.cox.net>
Source record: 5019

There's enough TNC2 source out there, that you
don't need the source to any of the original ancient
crap.

No one is going to run a PBBS anymore, and all
that other overhead code to support it is pretty much
worthless today.

Why would you want it? There's plenty of sound card
modems available, that I cannot fathom someone wiring
up a Z-80 or clone.

QFSK is the way to go for low baud rates, and those
modems are on a chip, or interface the sound card.

I wish TAPR would have dropped the spread spectrum
project when they sold-out to Dandin, instead of waiting
another two years to junk it. Maybe could have invested
the CPU board in being connected to a nice QFSK modem.

Ah well...

<hamish@cloud.net.au> wrote
> Rob Janssen <nomail@pe1chl.ampr.org> wrote:
> > I understand that the writer of the TNC2 firmware cannot release the source
> > due to contractual obligations.
>
> So I've heard. Surely as time goes on, this can be reviewed.

2297. Re: KPC-3 TNC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-06 04:35:24 UTC
From: Nobody special <geneodell@attbi.com>
Message-ID: <f4Pn9.62897$dp1.168024@rwcrnsc52.ops.asp.att.net>
Source record: 5020

Have you tried a different interface cable?
K2IKE

"Robert" <ne8r@RelayLeague.net> wrote in message
news:qpIn9.10975$lV3.1042498@newsread1.prod.itd.earthlink.net...
> Help - Recently purchased a used KPC-3 v8.2 from a ham on ebay. After
much
> trial and error, I was able to communicate with the TNC via Hyperterm but
> not consistently (4800 baud, 8N1, Xon/Xoff). After turning the unit off
and
> moving my laptop I can no longer communicate with the TNC. The power
light
> fluctuates when hyperterm is running but no information come back on the
> screen. I have tried 110-9600 baud and hardware/Xon Xoff hand shaking to
no
> avail. I was supplied a KPC-3 PLUS manual with the unit but the pc board
is
> not identical so I don't know where the hard reset jumper is.
>
> Does anyone know where I can get a copy of the manual and/or the hard
reset?
> Any suggestions on communicating with the unit - I am assuming the unit is
> in good working order since it did work at one point. Have also tried
> Packterm (dos) and Packterm (windows) with no luck - just gives me a
> communications error on the TNC.
>
> Robert
> NE8R
>
>

2298. Re: Packet radio controlled by PDA?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-06 05:59:32 UTC
From: perry chamberlain <kato@qnet.com>
Message-ID: <3D9FD144.CC06CC95@qnet.com>
Source record: 5021

kpc 3 + works great with my palm IIIc, and pocketaprs
and palm sources have a terminal program
mine worked ok, pocketaprs worked the best
type in pocketaprs in google to find the web site to down load.
hope this helped.

Dianne & Brent wrote:

> Does anyone know of a packet station that can be controlled by a PDA instead
> of a PC? Has anyone done it?
>
> Thanks,
> Brent
> N0RZU

--
Perry Chamberlain
Kato@qnet.com
Liv'n on de Edge n de Desert
Everyone has someone in their family who is crazy,
if you don't know who it is, its you!

2299. Re: AX.25 HF 300 baud preamble: 01111111 ???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-06 06:57:26 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0210060655080.16882-100000@exp.bde-arc.ampr.org>
Source record: 5022

On 5 Oct 2002, John wrote:
>nomail@pe1chl.ampr.org (Rob Janssen) wrote in message
news:<slrnaptb4u.bb6.nomail@linux.pe1chl.ampr.org>...
>> John <johnfofawn@hotmail.com> wrote:
>> > "Peter Hunt" <news@peterhunt.zoetermeernet.nl> wrote in message
news:<ankmqkreg1@news1.xs4all.nl>...
>> >> > I see
>> >> > 01111111 (0 and 7 1's)
>> >> > 5 times
>> >> >
>> >> > After the 5 "preambles" I see what looks to be the start of the data
>>
>> >> Aren't these "preambles" the TX-delay?
>>
>> > I see where it talks about TXDELAY as a timer in the AX.25 spec, but I
>> > don't see where this bit sequence is associated with it.
>>
>> > Also, if this is the TX-Delay bit sequence, wouldn't the flag pattern
>> > directly follow it?
>>
>> You still seem to have missed the NRZI part. The bit sequence you see in
>> general discussions about HDLC is not transmitted on air, it is first
>> converted from NRZ to NRZI.
>
>I just grep'ed for nrzi and "non return" in the spec and there were no
>matches. Can you point me to the section that discusses this. It
>sounds like I'm missing something pretty fundamental. Thanks for
>helping me figure it out.
>
>>
>> Indeed there is no defined bitpattern for TXDELAY. The only thing that
>> is defined is that there is at least one FLAG before the packet. The
>> TXDELAY could consist entirely of FLAG sequences, or it could be something
>> different. It does not matter.
>
>Makes sense. Thanks for the explanation.
>
>John
>>
>> Rob

Q: Where are you seeing the 1's? Is this via an oscilloscope from a waveform
of the transmission, or are these byte values being read out of the serial chip?

I seem to remember something about under HDLC, adding an additional 1-bit when there is a string of 6(?) 1's in a row.... You might be misreading it!

2300. Re: Can anyone decode AX.25 bits? (was Re: AX.25 HF 300 baud preamble: 01111111 ???)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-06 07:22:54 UTC
From: Ian Wade <ian.wade@netro.co.uk>
Message-ID: <XWNYEZEOT+n9Ew3j@netro.co.uk>
Source record: 5023

In message <d89364bd.0210040412.181a4cea@posting.google.com>, John <johnfofawn@hotmail.com> writes
>Can anyone decode this AX.25 bit stream.
>
>It is one station trying to initiate a connection to another station.
>I inserted the first few line breaks just to expose the starting
>pattern.
>

Actually, John, inserting those line breaks where you did doesn't help. Expanding the lines, you are seeing this (use fixed-width font to view this):

~~~~~~~~~~~~~~~~~~
Your Raw Data: 011111110111111101111111011111110111111101111110011000
Bit Stuffing: X X X X X
Recovered Data: 01111111-1111111-1111111-1111111-1111111-11110011000

Your Raw Data: 10100100100010101110011101100110010110101000011110001
Recovered Data: 10100100100010101110011101100110010110101000011110001

Your Raw Data: 10001010010010001010111001110110011001011101011101111
Recovered Data: 10001010010010001010111001110110011001011101011101111

Your Raw Data: 00000011010110101110010111000000010000000100000001
Bit Stuffing: X X X
Recovered Data: 00000011010110101110010111000000-0000000-0000000-

~~~~~~~~~~~~~~~~~~

The raw data is encoded as NRZI (non-return-to-zero-inverted). In this encoding, after a sequence of seven consecutive data "1" bits or seven consecutive data "0" bits, a bit of *opposite* polarity is automatically inserted (this is known in the trade as "bit stuffing"). This prevents long strings of "1"s or "0"s being transmitted in one polarity -- with long strings of the same polarity, it becomes difficult to recover the clock required for decoding.

During the decoding process to recover the original data, the decoder looks for a string of seven consecutive "1"s or "0"s. When this is found, it *ignores* the next bit that arrives. I have shown these ignored bits as "-" in the recovered data above.

Thus in the first 3-line group above, the recovered data (after the stuffed bits have been stripped out) consists of a "0" followed by 39 "1"s, followed by "0011000".

In line groups 2 and 3, there are no sets of seven consecutive "1"s or "0"s, so the recovered data is the same as the raw data.

In the last 3-line group, the recovered data contains 21 consecutive "0"s at the end.

Note that flags are *not* bit stuffed. That is, they are transmitted just like you see in the AX.25 specification:

01111111001111111100111111100 etc

This is necessary to distinguish between the flag pattern and data that just happens to look like flags:

~~~~~~~~~~~~~~~~~~
Received data: 011111110001111111000111111000
Bit stuffing: X X X
Recovered data: 01111111-001111111-001111111-00 <<< "looks like" flags

~~~~~~~~~~~~~~~~~~

So when you look at your raw data as a whole, there is no flag anywhere. Hence I suspect that this is part of a binary data transfer, and impossible to decode until you know where the flags are.

Hope this helps!

--
73
Ian, G3NRW

2301. Re: Tiny-2 TNC Kit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-06 12:36:28 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <g7Wn9.1702$qQ.477017132@newssvr11.news.prodigy.com>
Source record: 5024

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:4LNn9.17709$nh2.14693@news1.central.cox.net...
>
>
> I wish TAPR would have dropped the spread spectrum
> project when they sold-out to Dandin, instead of waiting
> another two years to junk it.

I can't say I'm surprised to hear that TAPR is dropping the Spread-Spectrum
project.

After all those years of hype, all those "seminars" and "conferences", all
those magazine articles and so on...

Ever hear the story about "The Boy Who Cried Wolf" ? After a while,
everybody knew better than to pay attention to him.

Charles, N5PVL

2302. Re: Can anyone decode AX.25 bits? (was Re: AX.25 HF 300 baud preamble: 01111111 ???)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-06 13:43:44 UTC
From: Walter Koch <koch@u32.de>
Message-ID: <cf90qukapg03a5esimheif6k5isgpl065o@4ax.com>
Source record: 5025

Moin,

Ian Wade schrobte/wrote:

> The raw data is encoded as NRZI (non-return-to-zero-inverted). In this
> encoding, after a sequence of seven consecutive data "1" bits or seven
> consecutive data "0" bits, a bit of *opposite* polarity is automatically
> inserted (this is known in the trade as "bit stuffing").

Seven bits? IIRC after five bits. Typo, I assume.
Seven same bits in a row is the flag.

Gruss,
Walter, dg9ep
--
Hochdahl am Neandertal

2303. Re: KPC-3 TNC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-06 14:18:42 UTC
From: Robert <ne8r@RelayLeague.net>
Message-ID: <6DXn9.11363$OB5.1179019@newsread2.prod.itd.earthlink.net>
Source record: 5026

I was using a modem cable that I had around the house and was able to communicate for a brief period. A new cable was purchased with little difference in performance. At the present time the TNC is communicating with the computer but only gibberish or the beginning of "ENTER YOUR $^*^$*#". Very puzzeling. It was also suggested to check the voltage on the internal battery - it is running at 3.04v as needed. Powering the unit with a 12vdc supply.

Robert, ne8r

"Nobody special" <geneodell@attbi.com> wrote in message news:f4Pn9.62897$dp1.168024@rwcrnsc52.ops.asp.att.net...
> Have you tried a different interface cable?
> K2IKE

2304. Re: AX.25 HF 300 baud preamble: 01111111 ???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-06 14:21:46 UTC
From: Peter Hunt <news@peterhunt.zoetermeernet.nl>
Message-ID: <anpgv4$ga7$1@news1.xs4all.nl>
Source record: 5028

John,

> I'm looking at the output of an FM demod of an AX.25 transmission on HF.

How do you get to see that "raw data" ?

> Thanks!
> John

Bye, Peter Hunt.

2305. Re: KPC-9612 Jumpers

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-06 14:21:48 UTC
From: Robert <ne8r@RelayLeague.net>
Message-ID: <0GXn9.11369$OB5.1181666@newsread2.prod.itd.earthlink.net>
Source record: 5027

I am also having the same problem with my KPC-3 (not plus) - purchased on ebay and was given a KPC-3+ manual with the unit - different jumpers! I wish Kantronics would have the older manual online. Let me know if you find the older manuals - that would be a big help.

Robert, ne8r

"mike_fenske @telus.net (Mike Fenske)" <NO_SPAM> wrote in message news:juom9.19801$OO4.1115091@news1.telusplanet.net...
> Thanks, but unfortunately the KPC-9612plus is different internally from the
> KPC-9612. Jumper numbers are different and the drive levels are set digitally
> instead of with pots.
>
> Mike Fenske
> VE7MKF

2306. Re: KPC-3 TNC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-06 15:45:46 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <KUYn9.5594$k_2.401721@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5029

"... the power light fluctuates ..."
I don't think that should happen (?).
Perhaps the power supply to the TNC is faulty,
or the power ground return is not properly connected,
or there is some other cabling problem.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"Robert" <ne8r@RelayLeague.net> wrote in message
news:qpIn9.10975$lV3.1042498@newsread1.prod.itd.earthlink.net...
> Help - Recently purchased a used KPC-3 v8.2 from a ham on ebay. After much
> trial and error, I was able to communicate with the TNC via Hyperterm but
> not consistently (4800 baud, 8N1, Xon/Xoff). After turning the unit off and
> moving my laptop I can no longer communicate with the TNC. The power light
> fluctuates when hyperterm is running but no information come back on the
> screen. I have tried 110-9600 baud and hardware/Xon Xoff hand shaking to no
> avail. I was supplied a KPC-3 PLUS manual with the unit but the pc board is
> not identical so I don't know where the hard reset jumper is.
>
> Does anyone know where I can get a copy of the manual and/or the hard reset?
> Any suggestions on communicating with the unit - I am assuming the unit is
> in good working order since it did work at one point. Have also tried
> Packterm (dos) and Packterm (windows) with no luck - just gives me a
> communications error on the TNC.
>
> Robert
> NE8R
>
>

2307. Re: Can anyone decode AX.25 bits? (was Re: AX.25 HF 300 baud preamble: 01111111 ???)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-06 15:49:01 UTC
From: "Dana H. Myers" <dana@dioxine.net>
Message-ID: <3da05b68$1@wobble>
Source record: 4962

Ian Wade wrote:

> The raw data is encoded as NRZI (non-return-to-zero-inverted).

NRZI encoding is done as - if I'm sending a 0, invert the
state of the output, if I'm send a 1, don't invert the state
of the output. In other words, NRZI encoding takes absolute
levels and encodes them as transitions; a transition means
a 0 and no transition means a 1.

For example, NRZI encoding of '01111110' results in actual
transmitted data of '00000001' or '11111110' depending on
the initial state of the transmitted data.

Decoding is straightforward.

> During the decoding process to recover the original data, the decoder
> looks for a string of seven consecutive "1"s or "0"s. When this is
> found, it *ignores* the next bit that arrives. I have shown these
> ignored bits as "-" in the recovered data above.

Actually, the bit-stuffing is designed to avoid 01111110 patterns in
the transmitted data from being misinterpreted as flags. So, the
rule of bit-stuffing is - after every 5th '1' in a row, insert a
0.

So, user data 01111110 becomes 011111010 and thus not a flag.
Sure, user data 11111111 becomes 111110111, but it's not really
about clock recovery, it's about avoiding undesired flag sequences.

The unstuffing rule is - after 5 consecutive 1s, if you have a 0,
drop it. Note that 0111110, the flag sequence, unstuffs to 01111110,
and thus remains a flag.

This doesn't mean that the bit after 5 consecutive 1s is always
ignored, it's only ignored if it's a 0. It's kept if it is a 1.

I decoded a perfectly good SABM from the bit stream, BTW.

Dana K6JQ
dana@dioxine.net

2308. Re: KPC-3 TNC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-06 16:06:36 UTC
From: Roger Barker <roger@peaksys.co.uk>
Message-ID: <LIPxsjAM+Fo9EwdI@peaksys.co.uk>
Source record: 5030

In article <6DXn9.11363$OB5.1179019@newsread2.prod.itd.earthlink.net>,
Robert <ne8r@RelayLeague.net> writes
>I was using a modem cable that I had around the house and was able to
>communicate for a brief period. A new cable was purchased with little
>difference in performance. At the present time the TNC is communicating
>with the computer but only gibberish or the beginning of "ENTER YOUR
>$^*^$*#". Very puzzeling. It was also suggested to check the voltage on
>the internal battery - it is running at 3.04v as needed. Powering the unit
>with a 12vdc supply.

Try a different PSU if you can. Your original comment - "The power light
fluctuates when hyperterm is running..." points to a fault in that area.

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

2309. Re: KPC-3 TNC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-06 16:15:16 UTC
From: Andy KC2SSB <vhfradiobuff@yahoo.com>
Message-ID: <s3o0qukiqdqkn0lefjtqfooskgp1ubkbsf@4ax.com>
Source record: 5031

Robert, I have the same TNC and the manual for it. Here is what the
manual says to do for a hard reset:

1. Open the KPC-3 by removing the two case screws on the sides of the
unit and lifting the cover.

2. Locate the Hard Reset Jumper (J7). Jumpers are appropriately
labeled on the PC board.

3. Place the jumper on both pins

4. Apply power to the KPC-3

5. Observe on the computer display (your terminal must be set at 1200
baud):

CHECKSUM OK
RAM OK xxxK BYTES
CLOCK NOT PRESENT
REPLACE TEST JUMPER

6. Turn power off.

7. Return jumper J7 to the normal position (one pin only).

8. Reassemble the KPC-3 and return to operation.

I hope this helps you! After reseting it, when you turn it on, you
will probably see some garbage, then it will say "Press (*) to set
baud rate". When you see that, hit * and you should be working, as
long as there's nothing wrong with the TNC itself.

On Sat, 05 Oct 2002 21:00:06 GMT, "Robert" <ne8r@RelayLeague.net>
wrote:

>Help - Recently purchased a used KPC-3 v8.2 from a ham on ebay. After much
>trial and error, I was able to communicate with the TNC via Hyperterm but
>not consistently (4800 baud, 8N1, Xon/Xoff). After turning the unit off and
>moving my laptop I can no longer communicate with the TNC. The power light
>fluctuates when hyperterm is running but no information come back on the
>screen. I have tried 110-9600 baud and hardware/Xon Xoff hand shaking to no
>avail. I was supplied a KPC-3 PLUS manual with the unit but the pc board is
>not identical so I don't know where the hard reset jumper is.
>
>Does anyone know where I can get a copy of the manual and/or the hard reset?
>Any suggestions on communicating with the unit - I am assuming the unit is
>in good working order since it did work at one point. Have also tried
>Packterm (dos) and Packterm (windows) with no luck - just gives me a

>communications error on the TNC.
>
>Robert
>NE8R
>

=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
73! de Andy KC2SSB (ex: KF4KHC/HL9HCT)
Beachwood, NJ USA Grid FM29vw
http://vhfradiobuff.tripod.com

2310. PACKET WITH SOUNDCARD SOFTWARE !

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-06 16:39:33 UTC
From: Dave <g3vfp@blueyonder.co.uk>
Message-ID: <gJZn9.16691$q4.15518@news-binary.blueyonder.co.uk>
Source record: 5032

Hi guys.

You may or not have come across the MixW software by UT2UZ. It is a multimode software which uses the soundcard, and has packet capability. I think you would be amazed at how well it works rather than use a TNC.

The software together with other soundcard software's etc can be found on my site.

http://www.g3vfp.org

Regards,

Dave G3VFP.

2311. Re: AX.25 HF 300 baud preamble: 01111111 ???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-06 17:10:46 UTC
From: "Dana H. Myers" <k6jq@pvbb.net>
Message-ID: <3da06e95_3@news.teranews.com>
Source record: 5033

John wrote:

> I just grep'ed for nrzi and "non return" in the spec and there were no
> matches. Can you point me to the section that discusses this. It
> sounds like I'm missing something pretty fundamental. Thanks for
> helping me figure it out.

Have a look at the user manual for the 85C30 SCC chip,
you can search for 85C30 at http://www.amd.com/ and get
the manual. It describes NRZI as well as bit-stuffing;
the 8530-family of chips were once popular for packet
implementation.

Dana K6JQ
k6jq@arrl.net

2312. Yes, I can... Re: Can anyone decode AX.25 bits? (was Re: AX.25 HF 300 baud preamble: 01111111 ???)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-06 17:11:09 UTC
From: "Dana H. Myers" <k6jq@pvbb.net>
Message-ID: <3da06ea4_3@news.teranews.com>
Source record: 5034

[Repost of a note that failed to go out yesterday]

I'm a sucker for mysteries, I guess.

OK, John, I wrote a little Java program this morning
that implements the HDLC decoding process, and I'll
send you the source code if it will help you figure
out how to do AX.25 bit banging.

Anyway, here's what I decoded, columns are
hex, hex >> 1, char, char >> 1:

ae 57 ï¿½ W
86 43 ? C
64 32 d 2
b0 58 ï¿½ X
a6 53 ï¿½ S
8a 45 ? E
e0 70 ï¿½ p

ae 57 ï¿½ W
86 43 ? C
64 32 d 2
b0 58 ï¿½ X
a6 53 ï¿½ S
8a 45 ? E
61 30 a 0

3f 1f ? - Control = 0x3f, SABM (P)

84 42 ? B
c5 62 ï¿½ b - FCS

It's WC2XSE>WC2XSE SABM(P)

What do I win?

Anyone else want the program I wrote to decode this?
The AX.25 spec really is good about telling you everything
you need, except the HDLC bit stuffing stuff is not trivial
at first, try reading the 85C30 databook ;-)

Yes, I really have a life, but this was just a fun to
sling some code around.

;-)

Dana K6JQ
k6jq@arrl.net

John wrote:

> Can anyone decode this AX.25 bit stream.
>
> It is one station trying to initiate a connection to another station.
> I inserted the first few line breaks just to expose the starting
> pattern.
>
> I thought that I would see the flag sequence 01111110. Any idea why I
> don't? Is that not sent until after a connection is established?
>
> 01111111
> 01111111
> 01111111
> 01111111
> 01111111
> 01111001
> 10001010
> 01001000
>
101011100111011001100101101010000111100110001010010010001010111001110110011001011101011100
000011010110101110010111000000010000000100000001
>
>
> Thanks,
> John
>
>
> johnfofawn@hotmail.com (John) wrote in message
news:<d89364bd.0210021020.14d10529@posting.google.com>...
>
>> I'm looking at the output of an FM demod of an AX.25 transmission on
>> HF.
>>
>> I see
>> 01111111 (0 and 7 1's)
>> 5 times
>>
>> After the 5 "preambles" I see what looks to be the start of the data
>>
>> The first 8 data bits look to be
>>
>> 01110101
>>
>> From the AX.25 spec I thought the first 8 data bits would be the flag
>> sequence:
>>
>> 01111110
>>

>> Does anyone know why I might be confused? This is a very clean signal
>> so I can eye-ball the bits.

2313. Re: Can anyone decode AX.25 bits? (was Re: AX.25 HF 300 baud preamble: 01111111 ???)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-06 17:16:35 UTC
From: Dana Myers K6JQ <k6jq@arrl.net>
Message-ID: <3da06fea$1_3@news.teranews.com>
Source record: 5035

Walter Koch wrote:
> Moin,
> Ian Wade schrobte/wrote:

>>The raw data is encoded as NRZI (non-return-to-zero-inverted). In this
>>encoding, after a sequence of seven consecutive data "1" bits or seven
>>consecutive data "0" bits, a bit of *opposite* polarity is automatically
>>inserted (this is known in the trade as "bit stuffing").

> Seven bits? IIRC after five bits. Typo, I assume.
> Seven same bits in a row is the flag.

C'mon guys, check the references before posting ;-)

NRZI has nothing to do with bit-stuffing. Nothing at all.
It's an encoding method which sends a 0 as an inversion in
the current transmitted level, and a 1 as no inversion.

Bit-stuffing and flags are HDLCisms. Bit-stuffing is
simply adding a 0 after 5 consecutive 1s. Unstuffing
means removing a 0 when it immediately follows 5 consecutive
1s. That's all. Bit-stuffing has nothing to do with clock
recovery; it's just to protect the flag sequence.

The 01111110 sequence is an HDLC flag, and bit-stuffing prevents
user data from triggering the flag. It's true, you should never
see more than 6 consecutive ones under any circumstances in an
HDLC bit stream, but that has nothing to do with NRZI.

Dana K6JQ
k6jq@arrl.net

2314. Re: Yes, I can... Re: Can anyone decode AX.25 bits? (was Re: AX.25 HF 300 baud preamble: 01111111 ???)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-06 17:41:34 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnaq0tee.hu3.nomail@linux.pe1chl.ampr.org>
Source record: 5036

Dana H. Myers <k6jq@pvbb.net> wrote:

> [Repost of a note that failed to go out yesterday]

> I'm a sucker for mysteries, I guess.

> OK, John, I wrote a little Java program this morning
> that implements the HDLC decoding process, and I'll
> send you the source code if it will help you figure
> out how to do AX.25 bit banging.

> Anyway, here's what I decoded, columns are
> hex, hex >> 1, char, char >> 1:

> ae 57 ï¿½ W
> 86 43 ? C
> 64 32 d 2
> b0 58 ï¿½ X
> a6 53 ï¿½ S
> 8a 45 ? E
> e0 70 ï¿½ p

> ae 57 ï¿½ W
> 86 43 ? C
> 64 32 d 2
> b0 58 ï¿½ X
> a6 53 ï¿½ S
> 8a 45 ? E
> 61 30 a 0

> 3f 1f ? - Control = 0x3f, SABM (P)

> 84 42 ? B
> c5 62 ï¿½ b - FCS

> It's WC2XSE>WC2XSE SABM(P)

> What do I win?

Some time (a long time) ago, a thread about something that sounded like
packet in the soundtrack of a movie appeared on Usenet. Or was it on a
mailing list?

Anyway, the challenge was to decode it and someone did it.

Rob
--

+--------------------------------+-------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+-------------------------------------+

2315. Re: Yes, I can... Re: Can anyone decode AX.25 bits? (was Re: AX.25 HF 300 baud preamble: 01111111 ???)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-06 18:06:08 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <kY_n9.19176$nh2.18654@news1.central.cox.net>
Source record: 5037

"Dana H. Myers" <k6jq@pvbb.net> wrote
>
> It's WC2XSE>WC2XSE SABM(P)
>
> What do I win?

OK, now another mystery: who is WC2XSE and why
is he trying to connect to himself (herself?)... :-)

2316. Re: Yes, I can... Re: Can anyone decode AX.25 bits? (was Re: AX.25 HF 300 baud preamble: 01111111 ???)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-06 18:08:00 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <4__n9.19178$nh2.9940@news1.central.cox.net>
Source record: 5038

I think it was a Star Trek movie. HF packet.

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote
>
> Some time (a long time) ago, a thread about something that sounded like
> packet in the soundtrack of a movie appeared on Usenet. Or was it on a
> mailing list?

2317. Re: Tiny-2 TNC Kit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-06 18:27:09 UTC
From: "Dana H. Myers" <k6jq@pvbb.net>
Message-ID: <3da08071_5@news.teranews.com>
Source record: 5039

hamish@cloud.net.au wrote:
> Rob Janssen <nomail@pe1chl.ampr.org> wrote:
>
>>I understand that the writer of the TNC2 firmware cannot release the source
>>due to contractual obligations.
>
> So I've heard. Surely as time goes on, this can be reviewed.

Frankly, if someone was really interested, it would make
sense to start over. Yup, start over. Build an open-source
toolkit, initially concentrate on supporting the low-level
functionality and providing an implementation with APIs
to manage the HDLC transceiver, manage a buffer pool,
manage the host link. The initial release would provide
host-mode (KISS, most likely) functionality.

But, I question how much interest there really is...

Dana K6JQ
k6jq@arrl.net

2318. Re: Tiny-2 TNC Kit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-06 18:44:18 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <6w%n9.19187$nh2.16291@news1.central.cox.net>
Source record: 5040

"Dana H. Myers" <k6jq@pvbb.net> wrote
>
> Frankly, if someone was really interested, it would make
> sense to start over.

Yes, the Z-80 code will have very little value as a reference.
It's been reverse engineered several times, and nothing good
became of it.

> Yup, start over. Build an open-source toolkit, initially
> concentrate on supporting the low-level functionality and
> providing an implementation with APIs to manage the
> HDLC transceiver

I would hope that HDLC would not resurge. It's been an
interesting exercise, I enjoyed packet in the late 80's, but to
continue on is not within the spirit of developing something
more advanced for radio.

The FEC stuff from NASA, or the block coding techniques,
etc, would be much more useful to experiment with, at both
the hardware and software levels.

> But, I question how much interest there really is...

True. A good question.

2319. Re: Tiny-2 TNC Kit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-06 18:54:34 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnaq11na.hu3.nomail@linux.pe1chl.ampr.org>
Source record: 5041

Dana H. Myers <k6jq@pvbb.net> wrote:
> hamish@cloud.net.au wrote:
>> Rob Janssen <nomail@pe1chl.ampr.org> wrote:

>>>I understand that the writer of the TNC2 firmware cannot release the source
>>>due to contractual obligations.

>> So I've heard. Surely as time goes on, this can be reviewed.

But not yet, apparently.

> Frankly, if someone was really interested, it would make
> sense to start over. Yup, start over. Build an open-source
> toolkit, initially concentrate on supporting the low-level
> functionality and providing an implementation with APIs
> to manage the HDLC transceiver, manage a buffer pool,
> manage the host link. The initial release would provide
> host-mode (KISS, most likely) functionality.

An "open source" TNC2 firmware exists, but it is written in C and
it is primarily focussing on hostmode. The compilation environment
may be difficult to reproduce. Maybe it is away to approach things...

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

2320. Re: Yes, I can... Re: Can anyone decode AX.25 bits? (was Re: AX.25 HF 300 baud preamble: 01111111 ???)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-06 19:08:36 UTC
From: Dana Myers K6JQ <k6jq@arrl.net>
Message-ID: <3da08a2a$1_8@news.teranews.com>
Source record: 5042

Rob Janssen wrote:
> Dana H. Myers <k6jq@pvbb.net> wrote:
>
>
>>[Repost of a note that failed to go out yesterday]
>
>
>>I'm a sucker for mysteries, I guess.

...

> Some time (a long time) ago, a thread about something that sounded like
> packet in the soundtrack of a movie appeared on Usenet. Or was it on a
> mailing list?
>
> Anyway, the challenge was to decode it and someone did it.

You're referring to:

http://www.radio-active.net.au/web/articles/humor/startrek.html

I believe.

It amazes me that I remembered it well enough to find it with
google in less than 1 minute :-)

Dana K6JQ
k6jq@arrl.net

2321. Re: Yes, I can... Re: Can anyone decode AX.25 bits? (was Re: AX.25 HF 300 baud preamble: 01111111 ???)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-06 19:12:45 UTC
From: Dana Myers K6JQ <k6jq@arrl.net>
Message-ID: <3da08b21$1_8@news.teranews.com>
Source record: 5043

Steve, K5OKC wrote:
> "Dana H. Myers" <k6jq@pvbb.net> wrote
>
>>It's WC2XSE>WC2XSE SABM(P)
>>
>>What do I win?

> OK, now another mystery: who is WC2XSE and why
> is he trying to connect to himself (herself?)... :-)

I thought about this myself -

I think WC2XSE is an experimental (non-amateur) callsign
and it's some kind of test transmission. It's a valid
packet, though I admit I did not model the checksum and
validate it.

Dana K6JQ
k6jq@arrl.net

2322. Re: Tiny-2 TNC Kit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-06 19:24:00 UTC
From: Dana Myers K6JQ <k6jq@arrl.net>
Message-ID: <3da08dde_7@news.teranews.com>
Source record: 5044

Steve, K5OKC wrote:
> "Dana H. Myers" <k6jq@pvbb.net> wrote

>>Yup, start over. Build an open-source toolkit, initially
>>concentrate on supporting the low-level functionality and
>>providing an implementation with APIs to manage the
>>HDLC transceiver
>
>
> I would hope that HDLC would not resurge. It's been an
> interesting exercise, I enjoyed packet in the late 80's, but to
> continue on is not within the spirit of developing something
> more advanced for radio.

Fair enough. I suppose what I really meant to say, the toolkit
would have to provide support for the serial controller in all
of the interesting modes. The overwhelming legacy requirement
is HDLC/AX.25, but that doesn't preclude other modes. That's the
reason for the open-source toolkit approach.

> The FEC stuff from NASA, or the block coding techniques,
> etc, would be much more useful to experiment with, at both
> the hardware and software levels.

Indeed, you're right.

>>But, I question how much interest there really is...
>
> True. A good question.

I know for one I'm not inclined at this point to
run off and take on this project.

Dana K6JQ
k6jq@arrl.net

2323. Re: Yes, I can... Re: Can anyone decode AX.25 bits? (was Re: AX.25 HF 300 baud preamble: 01111111 ???)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-06 20:34:00 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnaq17ho.hu3.nomail@linux.pe1chl.ampr.org>
Source record: 5045

Dana Myers K6JQ <k6jq@arrl.net> wrote:
> You're referring to:

> http://www.radio-active.net.au/web/articles/humor/startrek.html

> I believe.

Yes that was it. The remark at the end is very interesting:

P.S. A Cray-2 is about 50% faster than the fastest Pentium-Pro computer
available today.

That means my current machine is much, much faster than a Cray-2 :-)

(this will probably depend on the application)

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

2324. Re: Yes, I can... Re: Can anyone decode AX.25 bits? (was Re: AX.25 HF 300 baud preamble: 01111111 ???)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-06 21:05:11 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <bA1o9.19209$nh2.17024@news1.central.cox.net>
Source record: 5046

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote
>
> P.S. A Cray-2 is about 50% faster than the fastest Pentium-Pro computer
> available today.
>
> That means my current machine is much, much faster than a Cray-2 :-)
>
> (this will probably depend on the application)

The Cray-2 probably had the same bus speed as cpu speed, hee

2325. Re: Yes, I can... Re: Can anyone decode AX.25 bits? (was Re: AX.25 HF 300 baud preamble: 01111111 ???)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-06 22:02:15 UTC
From: Mats Peterson <matsp555@yahoo.com>
Message-ID: <anqbt7$gemum$1@ID-162516.news.dfncis.de>
Source record: 5047

"Steve, K5OKC" <k5okc@nojunk.cox.net> writes:

>"Rob Janssen" <nomail@pe1chl.ampr.org> wrote
>>
>> P.S. A Cray-2 is about 50% faster than the fastest Pentium-Pro computer
>> available today.
>>
>> That means my current machine is much, much faster than a Cray-2 :-)
>>
>> (this will probably depend on the application)

>The Cray-2 probably had the same bus speed as cpu speed, hee

;)
--
Mats Peterson

2326. Re: Yes, I can... Re: Can anyone decode AX.25 bits? (was Re: AX.25 HF 300 baud preamble: 01111111 ???)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-07 03:18:03 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <L17o9.6364$k_2.473549@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5048

Yes, there is that little issue about what the PPUs could
manage as data transfer rate in the Cray, compared to
what IDE or SCSI can manage :-)

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:bA1o9.19209$nh2.17024@news1.central.cox.net...
> "Rob Janssen" <nomail@pe1chl.ampr.org> wrote
> >
> > P.S. A Cray-2 is about 50% faster than the fastest Pentium-Pro computer
> > available today.
> >
> > That means my current machine is much, much faster than a Cray-2 :-)
> >
> > (this will probably depend on the application)
>
> The Cray-2 probably had the same bus speed as cpu speed, hee
>
>

2327. Re: Yes, I can... Re: Can anyone decode AX.25 bits? (was Re: AX.25 HF 300 baud preamble: 01111111 ???)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-07 03:19:24 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <037o9.6365$k_2.473203@bgtnsc05-news.ops.worldnet.att.net>
Source record: 5049

WC2XSE is not a current Ham callsign (FCC database, today).
So it is probably an experimental license.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:kY_n9.19176$nh2.18654@news1.central.cox.net...
> "Dana H. Myers" <k6jq@pvbb.net> wrote
> >
> > It's WC2XSE>WC2XSE SABM(P)
> >
> > What do I win?
>
> OK, now another mystery: who is WC2XSE and why
> is he trying to connect to himself (herself?)... :-)
>
>

2328. Re: Yes, I can... Re: Can anyone decode AX.25 bits? (was Re: AX.25 HF 300 baud preamble: 01111111 ???)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-07 04:00:28 UTC
From: Dana Myers K6JQ <k6jq@arrl.net>
Message-ID: <3da106cd$1_3@news.teranews.com>
Source record: 5050

Hank Oredson wrote:
> WC2XSE is not a current Ham callsign (FCC database, today).
> So it is probably an experimental license.

That's my guess. It follows the format of other experimental
calls I've seen...

I'm still waiting for my prize from the Usenet management ;-)

Dana K6JQ

2329. WC2XSE... it's our friends at HP

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-07 04:40:47 UTC
From: Dana Myers K6JQ <k6jq@arrl.net>
Message-ID: <3da1103f$1_1@news.teranews.com>
Source record: 4952

from http://www.fcc.gov/Daily_Releases/Daily_Business/2002/db0501/DOC-221981A1.txt :

ï¿½ WC2XSE AGILENT TECHNOLOGIES 0192- EX- PL- 2001 New experimental to
operate in 1790 - 29710 kHz for signal detection and collection.
Fixed: Columbia, MD

Gawd I'm too good with Google.

Delightful Sonoma Zin with baby back ribs tonight, a Martini
second-label for newer Monte Rosso Zin... I really do have a life!

;-)

Dana

2330. Re: Yes, I can... Re: Can anyone decode AX.25 bits? (was Re: AX.25 HF 300 baud preamble: 01111111 ???)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-07 04:41:01 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <xf8o9.6430$k_2.484692@bgtnsc05-news.ops.worldnet.att.net>
Source record: 4951

"Dana Myers K6JQ" <k6jq@arrl.net> wrote in message
news:3da106cd$1_3@news.teranews.com...
> Hank Oredson wrote:
> > WC2XSE is not a current Ham callsign (FCC database, today).
> > So it is probably an experimental license.
>
> That's my guess. It follows the format of other experimental
> calls I've seen...
>
> I'm still waiting for my prize from the Usenet management ;-)
>
> Dana K6JQ

Probably the prize is along the lines of
http://w0rli.home.att.net/youare.swf
if normal usenet protocols are followed :-)

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2331. Re: WC2XSE... it's our friends at HP

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-07 04:43:25 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <Nh8o9.6432$k_2.484944@bgtnsc05-news.ops.worldnet.att.net>
Source record: 4953

"Dana Myers K6JQ" <k6jq@arrl.net> wrote in message
news:3da1103f$1_1@news.teranews.com...
>
> from
http://www.fcc.gov/Daily_Releases/Daily_Business/2002/db0501/DOC-221981A1.txt :
>
> • WC2XSE AGILENT TECHNOLOGIES 0192- EX- PL- 2001 New experimental
to
> operate in 1790 - 29710 kHz for signal detection and collection.
> Fixed: Columbia, MD
>
> Gawd I'm too good with Google.
>
> Delightful Sonoma Zin with baby back ribs tonight, a Martini
> second-label for newer Monte Rosso Zin... I really do have a life!
>
> ;-)

Excellent!

Taco Bell tacos with el cheapo but nice Chilean Chard (over oaked).

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2332. Re: Yes, I can... Re: Can anyone decode AX.25 bits? (was Re: AX.25 HF 300 baud preamble: 01111111 ???)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-07 04:43:38 UTC
From: Dana Myers K6JQ <k6jq@arrl.net>
Message-ID: <3da110ee$1_1@news.teranews.com>
Source record: 4954

Hank Oredson wrote:

> Probably the prize is along the lines of
> http://w0rli.home.att.net/youare.swf
> if normal usenet protocols are followed :-)

I suppose I can't say I've never won anything now...

;-)

Dana K6JQ
k6jq@arrl.org

P.S. I think this prize is more appropriate for those that
forgot how packet worked and neglected to check references before
offering to help. ;-) Shame on me, Sorry Ian... :-)

2333. Re: WC2XSE... it's our friends at HP

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-07 04:48:56 UTC
From: Dana Myers K6JQ <k6jq@arrl.net>
Message-ID: <3da11229$1_4@news.teranews.com>
Source record: 4955

Hank Oredson wrote:

> Excellent!
>
> Taco Bell tacos with el cheapo but nice Chilean Chard (over oaked).

Don't laugh, I've done Taco Bell with cheap Zin before. Not bad at all if you order wisely.

Oak == great ratings from the critics. You'll laugh, but my pal at a fairly well-known winery recently laughed how he convinced the winemaker to use more oak and the ratings went into the 90s. It really happened, I kid you not. The joke is, my pal and myself both prefer the less-oaked and lower-rated vineyard designated wines from the same winery. Whatever sells, though...

Had some good 2002 wines last week, it's going to be a fine vintage for NorCal when they're finished.

Dana K6JQ
k6jq@arrl.net

2334. Proposal for an Amateur Voice Switch by g1sle

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-07 06:07:47 UTC
From: g3zhi@hotmail.com
Message-ID: <3da192ea.1416435@news.btinternet.com>
Source record: 4957

Proposal for an Amateur Voice Switch by g1sle

So what is an amateur voice switch?

Basically you can think of it as a bit
like a small telephone 'switch', like the
sort of thing a small business would use.
The proposed switch has 8 'extensions' or
in our case 8 radio channels.
A user with access to any one of these
channels is able to dialup any of the
other 7 using DTMF commands and have a 1
to one conversation.
He is also able to dial a 'conference
bridge' if other users are also connected
to the bridge he will be able to join in
the conference, up to all 8 users may be
on the bridge at any time.

So what hardware is involved in the
'switch'?

The switch itself is a small rack
mountable unit containing up to 8 'radio
interface cards'
Each radio interface has a unique number
(effectively like an extension number) and
for reasons that will become obvious the
switch also has a unique number.
Each radio interface connects via a simple
cable (audio in/out, PTT in and Busy out)
to its associated radio.

So what frequencies do the radios use?

Any within the amateur bands.
No really I mean it, from top band AM to
248Ghz FM including repeaters, simplex
channels and channels linked to the
various internet linking systems. As long
as the radio provides RX audio and a
channel busy signal and accepts microphone
and PTT in, it will work on the switch.
Infact, thinking about it the connection
could be direct to an IRLP node.
My proposal is that the channels currently

used for internet linking along with existing repeater channels would be ideal, this new technology is complementary to both and would benefit both the existing repeater network and internet linking.

From a users point of view what can I do and how do I do it?

Lets setup an example system.
Suppose we put up a 5 port switch with radios on port 1 GB3EE, port 2 GB3DY, port 3 145.2875, port 4 70.2625, and port 5 2310.025 we'll make our switch ID 1 for this example.
We'll put our switch in Bolsover for now

A user on EE may wish to link to DY in order to have a better chance of getting a reply to his CQ calls. To do this he would simply use his DTMF keypad to dial *12*. The switch interprets this as ' connect me to port 2 on switch 1.
The switch will then check that the required port is free, make the connection and alert on EE and DY, the user can then put out his CQ which will be heard on both DY and EE, any reply will also be heard on both repeaters. When he is done he dials *10* which is interpreted as 'connect me to nothing on switch 1' the connection is closed and both repeaters are then independent.

Lets look at another example
A 4 mtr mobile user is finding the band a little quiet, so he goes to 70.2625 and dials *11*
This connects him to GB3EE where he is more likely to find a QSO, but because of the excellent propagation to mobile users on 4mtrs he is also able to hold the contact many miles further than he could hope for on his 70cms set.

Another example
A user on DY would like to use internet linking, but DY has no IRLP connection, so he dials *13* which connects him to 145.2875, since there happens to be an IRLP node on .2875 local to the switch he can then dial on via IRLP to any of the

several hundred IRLP nodes
available.

Getting the idea? Think about this one....
A user on EE wants to talk to a friend in
(say) Birmingham.
He dials *15* this connects him to the
13cms port on 2310.025Mhz, a similar
switch located in (say) Lichfield also has
a port on 2310.025 and a second port on
GB3GB.we'll make this switch number 7 for
our example.
So once our user hears the connect
confirmed to port 5 on his switch he dials
72 this will be ignored by switch 1 his
local switch but will be picked up by
switch 7 as a request for port 2, he will
then be connected from EE to GB via a
'pipe' on 2310.025.

We can go on adding ports and switches up
to a maximum of 10 switches each with up
to 8 connected channels, after that we
would have to go to 2 digit switch numbers
allowing up to 100 switches of 8 channels,
a fairly powerful and flexible network by
any standards.

So what about the conference bridge?

Simple, a user wishing to use the bridge
just dials *19*, the requested 'port 9'
being interpreted as a request to join the
bridge, he is then connected and traffic
can pass to/from any other users on the
bridge - IRLP users may recognise this -
you will know it as a 'reflector'

But people will forget to shut down unused
links won't they?

Yes of course they will, its human nature,
that's why I put timeouts in, if a channel
remains permanently busy for 3 minutes it
will cause an auto disconnect, also if a
connected channel remains without activity
for 10 mins it will be disconnected.

You mention some 'prompts' how exactly
does the switch tell the users what's
going on?

All user prompts are in morse, the system is based around 8bit microcontrollers running at just 12MHz. Each micro has available just 4 k of code space and 128 bytes of RAM.
This leads to a system which is cheap, stand alone and reliable, unfortunately however it doesn't have the power to run voice prompts.
When a user connects to a port the number of the connected port is sent in MCW at each end of the link, thus as a link is setup between port 1 and 2 port 1 will hear a '2' and port 2 will hear a '1'.
When a link is disconnected either by the user or by a timeout both ends will hear a 'diss'.
If a user attempts an illegal operation, connection to a non existant port, connection to his own port or whatever he will hear an 'err'
Attempts to connect to a port already in use will get a 'bzy'

But isn't this dreadfully spectrally inefficient?

If correctly engineered this could improve repeater coverage in a way that would be much more efficient than many others.
Consider this example.
Handportable coverage from the existing repeater network in many areas is very poor or non-existant, one solution is to put up more repeaters, each using 2 frequencies.
Since many of the areas of poor coverage are sparsely populated in terms of radio users this is poor use spectrum, 2 frequencies are being used often to provide coverage to only 1 user at any given time.
Suppose we site a switch in one of these areas , provide a simplex port and a port on the more busy local repeater. We have now provided coverage in the problem area using only 1 frequency rather than the 2 required for 'full' repeater coverage.

So why isn't this on air now?

I have over the last few months developed
the system to a point where I have 3
prototype radio interface cards on a
switch allowing calls between any 2 of the
3.
Since operation of such a switch is
outside the terms of my licence I need an
NOV to operate it just as an NOV is
required to operate an internet link or a
repeater.
The Radio Agency have indicated to me that
they have no 'in principal' objection to
the idea, they have now passed details to
the RSGBs Repeater Management Committee
who will hopefully see the enormous
benefit that this new technology could
provide to the repeater network and
amateur radio in general and give the
project their full support.
Once the RMC approves the project I can
quickly obtain an NOV and move to on air
tests, I expect that development and
testing of the full 8 port switch may take
up to 6 months from my NOV arriving,
however service could begin to be provided
on DY and EE almost immediately.

73 ian

http://www.qsl.net/g3zhi - many ham radio links

United Kingdom Internet Radio Linking Project

http://www.ukirlp.co.uk http://www.irlp.co.uk http://www.irlp.net

I usually monitor G4NJI node 520 and GB3DV node 513

Ian Abel G3ZHI
52 Hollytree Ave
Maltby
Rotherham
Yorkshire
S66 8DY

Tel: 01709 799911
Mobile 0776 481 3363

2335. Proposal for an Amateur Voice Switch by g1sle

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-07 06:25:10 UTC
From: g3zhi@hotmail.com
Message-ID: <3daa9922.3008074@news.btinternet.com>
Source record: 4958

So what is an amateur voice switch?

Basically you can think of it as a bit
like a small telephone 'switch', like the
sort of thing a small business would use.
The proposed switch has 8 'extensions' or
in our case 8 radio channels.
A user with access to any one of these
channels is able to dialup any of the
other 7 using DTMF commands and have a 1
to one conversation.
He is also able to dial a 'conference
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cable (audio in/out, PTT in and Busy out)
to its associated radio.

So what frequencies do the radios use?

Any within the amateur bands.
No really I mean it, from top band AM to
248Ghz FM including repeaters, simplex
channels and channels linked to the
various internet linking systems. As long
as the radio provides RX audio and a
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and PTT in, it will work on the switch.
Infact, thinking about it the connection
could be direct to an IRLP node.
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existing repeater channels would be ideal,

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So once our user hears the connect confirmed to port 5 on his switch he dials *72* this will be ignored by switch 1 his local switch but will be picked up by switch 7 as a request for port 2, he will then be connected from EE to GB via a 'pipe' on 2310.025.

We can go on adding ports and switches up to a maximum of 10 switches each with up to 8 connected channels, after that we would have to go to 2 digit switch numbers allowing up to 100 switches of 8 channels, a fairly powerful and flexible network by any standards.

So what about the conference bridge?

Simple, a user wishing to use the bridge just dials *19*, the requested 'port 9' being interpreted as a request to join the bridge, he is then connected and traffic can pass to/from any other users on the bridge - IRLP users may recognise this - you will know it as a 'reflector'

But people will forget to shut down unused links won't they?

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NOV to operate it just as an NOV is
required to operate an internet link or a
repeater.
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they have no 'in principal' objection to
the idea, they have now passed details to
the RSGBs Repeater Management Committee
who will hopefully see the enormous
benefit that this new technology could
provide to the repeater network and
amateur radio in general and give the
project their full support.
Once the RMC approves the project I can
quickly obtain an NOV and move to on air
tests, I expect that development and
testing of the full 8 port switch may take
up to 6 months from my NOV arriving,
however service could begin to be provided
on DY and EE almost immediately.

73 ian

http://www.qsl.net/g3zhi - many ham radio links

United Kingdom Internet Radio Linking Project

http://www.ukirlp.co.uk http://www.irlp.co.uk http://www.irlp.net

I usually monitor G4NJI node 520 and GB3DV node 513

Ian Abel G3ZHI
52 Hollytree Ave
Maltby
Rotherham
Yorkshire
S66 8DY

Tel: 01709 799911
Mobile 0776 481 3363

2336. Re: Yes, I can... Re: Can anyone decode AX.25 bits? (was Re: AX.25 HF 300 baud preamble: 01111111 ???)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-07 09:35:54 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnaq2lbq.p05.nomail@linux.pe1chl.ampr.org>
Source record: 4959

Steve, K5OKC <k5okc@nojunk.cox.net> wrote:
> "Rob Janssen" <nomail@pe1chl.ampr.org> wrote

>> P.S. A Cray-2 is about 50% faster than the fastest Pentium-Pro computer
>> available today.

>> That means my current machine is much, much faster than a Cray-2 :-)

>> (this will probably depend on the application)

> The Cray-2 probably had the same bus speed as cpu speed, hee

My current machine has a CPU clock that lies above the 13cm amateur radio band. I doubt the Cray-2 did.

However, it is a single-CPU machine, so on array operations it will of course lose.

But this is always an interesting topic. What was called a "supercomputer" a decade or two ago, will most likely have difficulty keeping up with todays machines.

With standard desktop-grade disks I now get 45 MB/s disk troughput. I'm sure that is impressive even by classical mainframe standards. And systems with multiple SCSI disks perform a lot better.

Wonder how long it will take before even this box will feel slow...

Rob
--
+--------------------------------+-------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+-------------------------------------+

2337. Re: Proposal for an Amateur Voice Switch by g1sle

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-07 09:38:32 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnaq2lgo.p05.nomail@linux.pe1chl.ampr.org>
Source record: 4960

g3zhi <g3zhi@hotmail.com> wrote:

> So what is an amateur voice switch?

Something that echoes postings multiple times?

Rob
--
+--------------------------------+-------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+-------------------------------------+

2338. Re: Proposal for an Amateur Voice Switch by g1sle

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-07 11:00:31 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <jPdo9.19579$nh2.16288@news1.central.cox.net>
Source record: 4961

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote
> g3zhi <g3zhi@hotmail.com> wrote:
>
> > So what is an amateur voice switch?
>
> Something that echoes postings multiple times?

Come on now, no need to go nasty early.

2339. Re: Proposal for an Amateur Voice Switch by g1sle

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-07 18:05:53 UTC
From: lucifer@eternal-flames.gov
Message-ID: <sbi3quconvuql6emb36cgkjuvrnss1lk7u@4ax.com>
Source record: 4963

On Mon, 7 Oct 2002 06:07:47 +0000 (UTC), g3zhi@hotmail.com (g3zhi)
wrote:

>Basically you can think of it as a bit
>like a small telephone 'switch', like the
>sort of thing a small business would use.

So we can all give up ham radio and pretend we're just Baby Bell's

Old Nick.

2340. Re: KPC-3 TNC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-07 18:51:34 UTC
From: Vito <vito@crosslink.net>
Message-ID: <3DA1D7B6.CD62B35C@crosslink.net>
Source record: 4964

Andy KC2SSB wrote:
>
> I hope this helps you! After reseting it, when you turn it on, you
> will probably see some garbage, then it will say "Press (*) to set
> baud rate". When you see that, hit * and you should be working, as
> long as there's nothing wrong with the TNC itself.
>

The only thing I'd add is that the time window in which to press * then enter is short and my laptop keyboard needs shift-* to make an * so you gotta be on your toes. Don't give up!

73 K3DWW

2341. Re: Tiny-2 TNC Kit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-07 19:17:10 UTC
From: jra@febo.com
Message-ID: <pqksna.s1i.ln@24.123.66.139>
Source record: 4965

In article <3d9fa017$0$22176$afc38c87@news.optusnet.com.au>, hamish@cloud.net.au wrote:
>Rob Janssen <nomail@pe1chl.ampr.org> wrote:
>> I understand that the writer of the TNC2 firmware cannot release the source
>> due to contractual obligations.
>
>So I've heard. Surely as time goes on, this can be reviewed.
>
>Hamish

Just to clarify, the TNC-2 code was written by an individual who graciously
made it available in object-code form to TAPR, and through TAPR to licensed
TNC-2 OEM manufacturers and end-users, for ham use. However, he also uses
this code base for derivative products sold into the commercial (non-ham)
market for real money. Because of this ongoing use, he's chosen not to
release the source code.

73,
John N8UR
jra@febo.com -- n8ur@tapr.org

2342. Re: Tiny-2 TNC Kit

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-07 20:35:49 UTC
From: "B. Smith" <b.smith@ou.edu>
Message-ID: <S4mo9.237$95.5434@news.ou.edu>
Source record: 4966

"John Ackermann N8UR" <jra@febo.com> wrote
>
> Just to clarify, the TNC-2 code was written by an individual who
graciously
> made it available in object-code form to TAPR, and through TAPR to
licensed
> TNC-2 OEM manufacturers and end-users, for ham use. However, he also uses
> this code base for derivative products sold into the commercial (non-ham)
> market for real money. Because of this ongoing use, he's chosen not to
> release the source code.

There's enough TNC-2 source code out there, that this is a non-issue.
If we could just shift into second gear, is the problem. What comes after
AX.25 in VHF and UHF? Are we to bit-shift callsigns forever :-)

2343. Re: Yes, I can... Re: Can anyone decode AX.25 bits? (was Re: AX.25 HF 300 baud preamble: 01111111 ???)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-07 20:46:47 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <Xomo9.11229$ue4.532835@bgtnsc04-news.ops.worldnet.att.net>
Source record: 4967

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
news:slrnaq2lbq.p05.nomail@linux.pe1chl.ampr.org...
> Steve, K5OKC <k5okc@nojunk.cox.net> wrote:
> > "Rob Janssen" <nomail@pe1chl.ampr.org> wrote
>
> >> P.S. A Cray-2 is about 50% faster than the fastest Pentium-Pro computer
> >> available today.
>
> >> That means my current machine is much, much faster than a Cray-2 :-)
>
> >> (this will probably depend on the application)
>
> > The Cray-2 probably had the same bus speed as cpu speed, hee
>
> My current machine has a CPU clock that lies above the 13cm amateur radio
> band. I doubt the Cray-2 did.
>
> However, it is a single-CPU machine, so on array operations it will of
> course lose.
>
> But this is always an interesting topic. What was called a "supercomputer"
> a decade or two ago, will most likely have difficulty keeping up with
> todays machines.
>
> With standard desktop-grade disks I now get 45 MB/s disk troughput. I'm
> sure that is impressive even by classical mainframe standards. And systems
> with multiple SCSI disks perform a lot better.
>
> Wonder how long it will take before even this box will feel slow...

Seems to take 6 months before my "Fast new machine, wow!" becomes
"Darn thing is getting awful slow." and 12 months before it becomes
"This junk computer just MUST be replaced soon."

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2344. Re: KPC-3 TNC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-08 01:20:37 UTC
From: Robert <ne8r@RelayLeague.net>
Message-ID: <Fpqo9.14617$OB5.1457841@newsread2.prod.itd.earthlink.net>
Source record: 4968

et.al.,

I want to thank you all for the many suggestions in helping me get my new toy up and running - well, here is the situation.

All is working well now! There was several issues that resulted in my unsuccessful attempt in getting the TNC working at the beginning.

-Firstly, I didn't know what I was doing, but was sure my ignorance was the problem, not the TNC.
--Secondly, my laptop, a compaq, is a piece of ....
---Thirdly, I received the TNC after it was set up for use with a GPS unit and I didn't know how to reset the unit yet.
----Fourthly, I was able to communicate using my laptop only if the cable was improperly connected which occurred when I first started working with the unit. The weight of the 9-25 pin adapter pulled the cable at an angle resulting in a "good" connection. But when I went down stairs I used a new cable, screwed in, thus having a correct connection that won't work with my laptop. After speaking with several of you, I performed a hard reset resolving the GPS issue. I then realized that I had tried the unit on 3 different computers prior to the reset and only the laptop after the reset. I, after calming down, connected the TNC to my reliable DELL P90 a miracle occurred - IT WORKED PERFECTLY. I connected to myself, left a message, read it, and killed it.

I just wanted to thank all that had many suggestions as I tried them all including 3 different power supplies, 4 different computers, 3 different cables, testing the internal battery (3.04v), continuity between pins 1 & 7 (signal ground and chassis ground) as suggested by kantronics, and checking baud rate. This has been a wonderful learning experience as I now know the manual cover-to-cover, inside-and-out.

Robert
NE8R

2345. Re: Proposal for an Amateur Voice Switch by g1sle

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-08 04:45:07 UTC
From: Bruce Lane <feedspammerstothebalrog.4.spamvac@spamgourmet.com>
Message-ID: <MPG.180c02b2bc866814989a07@news.drizzle.com>
Source record: 4969

In article <3da192ea.1416435@news.btinternet.com>, g3zhi@hotmail.com
says...

> Proposal for an Amateur Voice Switch by g1sle
>
> So what is an amateur voice switch?

<snip>

Hate to break this to you, but the technology for this already
exists in a slightly different form. Motorola's trunking systems have a
feature called 'PrivateCall' or some such. You enter the code of someone
else's radio in your fleet, hit the send, and it bleeps their radio alone
for a private conversation. What you're describing sounds like a bizarre
combo of PrivateCall and selective repeater linking.

In short, you're not (to my eyes) describing anything that cannot
be done, or has not already been done, with current technology.

Keep the peace(es).

--
Bruce Lane, Owner and Head Hardware Heavy,
Blue Feather Technologies -- http://www.bluefeathertech.com
Amateur Radio: KC7GR (Formerly WD6EOS) since 12-77.
kyrrin (a/t) bluefeathertech dot-com (Reassemble to use)
"I'll get a life when someone demonstrates to me it would be superior to
what I have now..." (Taki Kogoma)

2346. Re: Proposal for an Amateur Voice Switch by g1sle

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-08 08:58:44 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnaq57i4.4f9.nomail@linux.pe1chl.ampr.org>
Source record: 4970

Bruce Lane <feedspammerstothebalrog.4.spamvac@spamgourmet.com> wrote:
> In article <3da192ea.1416435@news.btinternet.com>, g3zhi@hotmail.com
> says...

>> Proposal for an Amateur Voice Switch by g1sle

>> So what is an amateur voice switch?

> <snip>

> Hate to break this to you, but the technology for this already
> exists in a slightly different form. Motorola's trunking systems have a
> feature called 'PrivateCall' or some such. You enter the code of someone
> else's radio in your fleet, hit the send, and it bleeps their radio alone
> for a private conversation. What you're describing sounds like a bizarre
> combo of PrivateCall and selective repeater linking.

> In short, you're not (to my eyes) describing anything that cannot
> be done, or has not already been done, with current technology.

I don't think he claimed that.
(but the story was so long that I may have read over it)

At first I got the impression that he was going to describe a standard or
maybe a design that he wanted to publish, but in the end it seemed to be
about a project in his own shack.

Rob
--
+--------------------------------+-------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+-------------------------------------+

2347. Re: Proposal for an Amateur Voice Switch by g1sle

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-08 15:01:22 UTC
From: mr_dreameng@hotmail.com
Message-ID: <3da2f2d0.3016306529@news.boeing.com>
Source record: 4971

On 8 Oct 2002 08:58:44 GMT, nomail@pe1chl.ampr.org (Rob Janssen)
wrote:

<snip>

>I don't think he claimed that.
>(but the story was so long that I may have read over it)
>
>At first I got the impression that he was going to describe a standard or
>maybe a design that he wanted to publish, but in the end it seemed to be
>about a project in his own shack.

Could be, could be... And there's certainly nothing wrong with
that. I was merely trying to correct what I saw as an impression that
this was a new idea.

If the fellow wants to implement it in his own area, hey,
great! That's a big part of what hamateur radio is all about.

73 de KC7GR

Boeing had nothing to do with the opinions expressed above. They
merely provide the Usenet pipe.

>
>Rob
>--
>+--------------------------------+--------------------------------------+
>| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
>| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
>+--------------------------------+--------------------------------------+

2348. Flexnet: Clueless und sprechen kein Deutsch

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-08 21:56:43 UTC
From: cprstn54zz@att.net
Message-ID: <3da351a9.56029437@news-server.optonline.net>
Source record: 4972

I just want to start using Flexnet as an end user -- but via a 6PACK TNC2.

Well, I figured it would become clear once I got into it. Not true.

I bought an MFJ-1270C on eBay cheap and picked up a 6PACK EPROM from the local guru, who belongs to my club. I installed the EPROM as per the instructions Buck lifted from the MFJ manual for TheNet. With the TNC connected to nothing, when I power up the POWER, CON and STA/MAIL LED's come on; the CON LED goes off in a few seconds but the other two stay on. Is this OK?

Now that I have done a brain transplant on my MFJ1270C, what do I use for a manual?

As to the software, I went on line and downloaded the old (MAINPKG.ZIP) and the new (FlexNet32.ZIP) and unzipped. The old has two .DOC files in German. The new has no help, DOC or other info files.

Where can I find manuals or documentation in English on how my TNC2 now works and how to operate FlexNet software on my PC under Win98?

I have an IQ in three digits and used to be professional programmer, so if it is do-able, I can do it.

Ken KC2JDY

Ken
(to reply via email
remove "zz" from address)

2349. Re: AX.25 HF 300 baud preamble: 01111111 ???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-09 13:38:36 UTC
From: johnfofawn@hotmail.com
Message-ID: <d89364bd.0210090538.6ceb9248@posting.google.com>
Source record: 4973

"Peter Hunt" <news@peterhunt.zoetermeernet.nl> wrote in message
news:<anpgv4$ga7$1@news1.xs4all.nl>...
> John,
>
> > I'm looking at the output of an FM demod of an AX.25 transmission on HF.
>
> How do you get to see that "raw data" ?

I wrote a demodulator that takes complex basebanded samples as input
and produces symbols (bits).

I'm still fine-tuning my bit slicer so I'm reading those bits off of a
waveform display (output of my FM demod).

Thanks for your help!

John

>
> > Thanks!
> > John
>
> Bye, Peter Hunt.

2350. Re: AX.25 HF 300 baud preamble: 01111111 ???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-09 18:35:41 UTC
From: Dana Myers K6JQ <k6jq@arrl.net>
Message-ID: <3da476f8_4@news.teranews.com>
Source record: 4974

John wrote:
> "Peter Hunt" <news@peterhunt.zoetermeernet.nl> wrote in message
news:<anpgv4$ga7$1@news1.xs4all.nl>...

>>>I'm looking at the output of an FM demod of an AX.25 transmission on HF.
>>
>>How do you get to see that "raw data" ?
>
> I wrote a demodulator that takes complex basebanded samples as input
> and produces symbols (bits).
>
> I'm still fine-tuning my bit slicer so I'm reading those bits off of a
> waveform display (output of my FM demod).
>
> Thanks for your help!

Now that's a cool little project.
The necessary FCS code can likely be adapted from
the HDLC fast FCS code in RFC 1662; it took me maybe 10
minutes to produce a Java class to do the FCS
calculation.

The frame you sent, by the way, had a valid checksum ;-)

Dana K6JQ
k6jq@arrl.net
(not a bit-twiddler at my day job ;-))

2351. Re: Looking for KAM Firmware 5.0, 6.0 or 6.1

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-11 03:11:48 UTC
From: Mark <n3rdv@arrl.net>
Message-ID: <3DA64174.5C08137A@arrl.net>
Source record: 4975

I have a "KAM-P 6.1" chip. Will that work with your unit?

KX5N wrote:
>
> I have a KAM with 4.0 frmware. I am hoping some of you may have old firmware
> after an upgrade that I may be able to purchase. My Hostmaster II+ (3.3)
> requires at least 5.0 firmware. THANKS!!!! de KX5N kx5n@arrl.net

--
Mark
A government that doesn't trust its ordinary citizens to own guns
should not be trusted to own guns itself.

2352. tfc handling in Unproto

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-11 20:43:11 UTC
From: jfenn@lava.net
Message-ID: <ao7d4v$9hi$1@mochi.lava.net>
Source record: 4976

Is there any way that actual msg traffic could be passed while
using "unproto" mode. I have tried numerous ways to do so but
the "unproto header" gets in the way of the traffic text.
I/E every line of msg text has the unproto header interleaved
within the text thus messing up a traffic msg. The "read" from
disk feature only works while in connected mode! The "view"
file from disk works, however it merely reads the disk file
to the incoming (bottom) portion of the screen in unproto mode.
Then using cursor can move to each text line and hit "enter"
and it does go out okay but again carries the "unproto" tag line
so that screws up and prevents normal msg handling via unproto.
Joe

****
* Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
****

2353. Re: tfc handling in Unproto

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-11 22:27:56 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <Mflp9.22505$XF.375@news1.central.cox.net>
Source record: 4977

Unproto is just for chat. It isn't a good way to send traffic.
It's merely an unacknowledged broadcast.

<jfenn@lava.net> wrote
> Is there any way that actual msg traffic could be passed while
> using "unproto" mode.

2354. Re: tfc handling in Unproto

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-12 01:23:47 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <DQKp9.2738$1S5.580660437@newssvr12.news.prodigy.com>
Source record: 4978

Unproto packets are perhaps the most efficient way of distributing message traffic at our disposal. To see how this is done, read:

http://www.tapr.org/~wa0ptv/

You can get the software there, as well.

To see this concept taken a little futher than the author intended see:

http://pages.sbcglobal.net/kb5iwt/multi.htm

Charles, N5PVL

webmaster@uspacket.net
http://www.uspacket.net

2355. PACTOR with Sound Card?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-12 21:39:39 UTC
From: Rick and Theresa <n6cy@earthlink.net>
Message-ID: <vE0q9.26499$OB5.2310237@newsread2.prod.itd.earthlink.net>
Source record: 4979

Hello has anyone come across any software package that will, among other digital modes, operate PACTOR using a computer with sound card?

Rick N6CY

2356. Re: PACTOR with Sound Card?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-12 22:03:16 UTC
From: jfenn@lava.net
Message-ID: <aoa674lom1@mochi.lava.net>
Source record: 4980

There is no way to use a sound card type software and run Pactor!
Joe

****
* Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
****

2357. Re: PACTOR with Sound Card?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-12 22:15:26 UTC
From: Mark <mark1smi@hotpop.com>
Message-ID: <Xns92A59B504A329mark1smihotpopcom@216.168.3.50>
Source record: 4981

"Rick and Theresa" <n6cy@earthlink.net> wrote in
news:vE0q9.26499$OB5.2310237@newsread2.prod.itd.earthlink.net:

> Hello has anyone come across any software package that will, among other
> digital modes, operate PACTOR using a computer with sound card?
>
> Rick N6CY
>
>
>

There may be other programs (hopefully) MixW only receives PACTOR. I've
only used MixW for receive. It supports many different modes (both Xmit
and receive)
DEMO available at http://www.mixw.net/

Mark SWL

2358. Re: PACTOR with Sound Card?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-13 23:45:42 UTC
From: Paul N3EOP <n3eop@arrl.or.callsign.net>
Message-ID: <Xns92A6AA82A7931n3eophotmailcom@64.164.98.29>
Source record: 4982

"Rick and Theresa" <n6cy@earthlink.net> wrote:

> Hello has anyone come across any software package that will, among
> other digital modes, operate PACTOR using a computer with sound card?

Last I heard, there is no sound card program that will run PACTOR. The problem, I've read, is that there are too many timing problems under Windows to make a synchronous mode like PACTOR work. (There is no way to guarantee that a section of code will run at the time it is needed.)

If you want PACTOR-I, multimode controllers sell on eBay regularly for under $100. If you want PACTOR-II or PACTOR-III, you'll need to get one of the PTC controllers.

2359. Re: PACTOR with Sound Card?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-14 00:04:50 UTC
From: Gary Coffman <ke4zv@bellsouth.net>
Message-ID: <t72kqu0b7l2ho02l8hp61q0v2o7irt20p8@4ax.com>
Source record: 4983

On Sun, 13 Oct 2002 23:45:42 GMT, Paul N3EOP <n3eop@arrl.or.callsign.net> wrote:
>"Rick and Theresa" <n6cy@earthlink.net> wrote:
>> Hello has anyone come across any software package that will, among
>> other digital modes, operate PACTOR using a computer with sound card?
>
>Last I heard, there is no sound card program that will run PACTOR. The
>problem, I've read, is that there are too many timing problems under
>Windows to make a synchronous mode like PACTOR work. (There is no way
>to guarantee that a section of code will run at the time it is needed.)

The timing critical parts have to run in kernel mode, ie as device drivers.
Writing such drivers isn't something most amateur programmers want to
tackle. There is/was a commercial PACTOR program that ran under DOS,
though, by the author of RiTTY.

Gary

2360. Re: PACTOR with Sound Card?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-14 02:49:29 UTC
From: Rick and Theresa <n6cy@earthlink.net>
Message-ID: <Zgqq9.31636$lV3.2579948@newsread1.prod.itd.earthlink.net>
Source record: 4984

Many thanks to the several replies to the original question. I won't hold my breath for a Windows-based PACTOR capability for PC+sound card.

Rick

"Rick and Theresa" <n6cy@earthlink.net> wrote in message news:vE0q9.26499$OB5.2310237@newsread2.prod.itd.earthlink.net...
> Hello has anyone come across any software package that will, among other
> digital modes, operate PACTOR using a computer with sound card?
>
> Rick N6CY
>
>

2361. Re: PACTOR with Sound Card?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-14 18:11:54 UTC
From: "Richard C. Ferryman" <Richard.Ferryman@btinternet.com>
Message-ID: <ta2mqu8cvgj4cu6ures90tpqhs9aic0n3r@4ax.com>
Source record: 4985

This all begs the question about licencing the code. As I understand it all pactor implementations have a unique ID. Even if the sound card option would work how could the unique ID be applied (or even licenced by SCS).
Richard G4BBH

2362. Re: PACTOR with Sound Card?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-14 19:04:29 UTC
From: Gary Coffman <ke4zv@bellsouth.net>
Message-ID: <gp4mquo14ajc68oi1mgle0249m3d4hbccn@4ax.com>
Source record: 4986

On Mon, 14 Oct 2002 18:11:54 +0000 (UTC), Richard C. Ferryman
<Richard.Ferryman@btinternet.com> wrote:
>This all begs the question about licencing the code. As I understand
>it all pactor implementations have a unique ID. Even if the sound
>card option would work how could the unique ID be applied (or even
>licenced by SCS).
>Richard G4BBH

AFAIK there is nothing in the PACTOR protocol spec that requires a
unique ID to identify the implementation over the air. SCS's proprietary
PACTOR II might be different, but we aren't talking about implementing
that on a PC sound card.

Gary

2363. Anyone have the ISO 3309 spec (HDLC)?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-14 23:57:33 UTC
From: johnfofawn@hotmail.com
Message-ID: <d89364bd.0210141557.8044571@posting.google.com>
Source record: 4987

Hi,

Does anyone have an electronic (like PDF) version of the ISO 3309
spec? If so, would you pretty please email it to me?

I didn't have any luck finding it with Google -- I only found
references to it.

Thanks,
John

2364. Re: Anyone have the ISO 3309 spec (HDLC)?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-15 08:25:25 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnaqnk7l.jl9.nomail@linux.pe1chl.ampr.org>
Source record: 4988

John <johnfofawn@hotmail.com> wrote:
> Hi,

> Does anyone have an electronic (like PDF) version of the ISO 3309
> spec? If so, would you pretty please email it to me?

> I didn't have any luck finding it with Google -- I only found
> references to it.

Try your luck a bit more, I see it on page 3 of the Google results.
It costs 50 swiss francs to order at ISO.

Rob
--
+--------------------------------+-------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+-------------------------------------+

2365. Re: PACTOR with Sound Card?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-15 11:05:35 UTC
From: hamish@cloud.net.au
Message-ID: <3dabf67e$0$23173$afc38c87@news.optusnet.com.au>
Source record: 4989

Gary Coffman <ke4zv@bellsouth.net> wrote:
> The timing critical parts have to run in kernel mode, ie as device drivers.

Is that true even if the kernel has a realtime scheduler eg Linux?

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

2366. Re: PACTOR with Sound Card?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-15 14:38:34 UTC
From: nomail@pe1chl.ampr.org
Message-ID: <slrnaqoa3a.oo7.nomail@linux.pe1chl.ampr.org>
Source record: 4990

hamish@cloud.net.au <hamish@cloud.net.au> wrote:
> Gary Coffman <ke4zv@bellsouth.net> wrote:
>> The timing critical parts have to run in kernel mode, ie as device drivers.

> Is that true even if the kernel has a realtime scheduler eg Linux?

This has been discussed before. One problem with soundcards is that
the i/o is done using DMA. You prepare a block of audio data to be sent
in memory, and point the DMA to that block. The block will then be sent
independently from the processor, and an interrupt will be issued at the
end of the block. At that time another block must have been prepared and
the DMA is pointed to that block. Similar handling is done for input.

This buffering always introduces a (not exactly predictable) delay. So,
when you are processing input and you deduce that the transmitter has to be
activated and a certain reply has to be sent, there always will be some
delay before that actually gets sent. In fact there already has been a delay
between the moment the audio came in and the moment the process notices it.

So no matter how fast your scheduler is, there will always be some problems
and you will always need to pull some tricks. Like keeping the buffers
small.

Synchronizing the request-to-transmit with the audio to be transmitted can
be done by using a fast VOX and use the two channels of the audio card (one
for a key signal and one for the modulation), but that is only part of the
problem.

Rob
--
+--------------------------------+--------------------------------------+
| Rob Janssen pe1chl@amsat.org | WWW: http://www.xs4all.nl/~pe1chl/ |
| AMPRnet: rob@pe1chl.ampr.org | AX.25 BBS: PE1CHL@PI8ZAA.#NBO.NLD.EU |
+--------------------------------+--------------------------------------+

2367. Re: PACTOR with Sound Card?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-15 16:37:55 UTC
From: Tony Baca <taca@hpbs1640.boi.com>
Message-ID: <3dac3653$1_1@hpb10302.boi.hp.com>
Source record: 4991

Rick and Theresa <n6cy@earthlink.net> wrote:
: Hello has anyone come across any software package that will, among other
: digital modes, operate PACTOR using a computer with sound card?

: Rick N6CY

Rick,

There was one done by Tom Sailer, HB9JNX, that I believe used a DSP
based soundcard and run in DOS. I played with it a few times,
and even got it to work. But to be honest, as already stated, with the
low cost of multimode TNCs on Ebay, I decided to go that way for
everyday use.

Search for Tom Sailer, HB9JNX, or TERMPAS.

_____
/ony WV7I.WV7I.ID.USA.NOAM

2368. Re: Anyone have the ISO 3309 spec (HDLC)?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-15 17:27:03 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <HdYq9.7028$1P1.550010@bgtnsc05-news.ops.worldnet.att.net>
Source record: 4992

"Rob Janssen" <nomail@pe1chl.ampr.org> wrote in message
news:slrnaqnk7l.jl9.nomail@linux.pe1chl.ampr.org...
> John <johnfofawn@hotmail.com> wrote:
> > Hi,
>
> > Does anyone have an electronic (like PDF) version of the ISO 3309
> > spec? If so, would you pretty please email it to me?
>
> > I didn't have any luck finding it with Google -- I only found
> > references to it.
>
> Try your luck a bit more, I see it on page 3 of the Google results.
> It costs 50 swiss francs to order at ISO.
>
> Rob

That's one of the problems with ISO ... normally you cannot get
the standards documents without paying for them :-)

You might take a look at RFC-1662 (HDLC-like frames over PPP).

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2369. Re: PACTOR with Sound Card?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-15 17:30:15 UTC
From: Cathryn Mataga <cathryn@junglevision.com>
Message-ID: <aohiusaln1@news.laserlink.net>
Source record: 4993

Tony Baca wrote:
> There was one done by Tom Sailer, HB9JNX, that I believe used a DSP
> based soundcard and run in DOS. I played with it a few times,
> and even got it to work. But to be honest, as already stated, with the
> low cost of multimode TNCs on Ebay, I decided to go that way for
> everyday use.

I agree. Really, for all the talk of the horrors of using Z80 based
boxes for ham radio, the bottom line is they are cheap and just work.

2370. Re: PACTOR with Sound Card?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-15 18:28:47 UTC
From: Gary Coffman <ke4zv@bellsouth.net>
Message-ID: <v8noqu41hbcp5164k63d0jnuqikh62et4u@4ax.com>
Source record: 4994

On 15 Oct 2002 11:05:35 GMT, hamish@cloud.net.au wrote:
>Gary Coffman <ke4zv@bellsouth.net> wrote:
>> The timing critical parts have to run in kernel mode, ie as device drivers.
>
>Is that true even if the kernel has a realtime scheduler eg Linux?

Linux has a pre-emptive scheduler, but it isn't realtime, at least not without realtime extensions (available from NIST as part of the EMC project). The pre-emptive scheduler is also too coarse for some time critical tasks. So even under Linux, you need to write time critical sections as kernel tasks instead of user tasks. Fortunately, that's very well documented (and free) for Linux, unlike for Windows.

Gary

2371. MODES WHICH USE SOUNDCARD. PSK RTTY ETC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-16 18:31:53 UTC
From: Dave <g3vfp@blueyonder.co.uk>
Message-ID: <4hir9.25951$jR.5550@news-binary.blueyonder.co.uk>
Source record: 4995

Hi guys

If you are interested in PSK,MFSK,RTTY,SSTV etc via the soundcard then check
Hi guys

If you are interested in PSK,MFSK,RTTY,SSTV etc via the soundcard then check
out my site which is regularly updated with software's etc.

http://www.g3vfp.org

Enjoy :-).

Dave G3VFP

out my site which is regularly updated with software's.

http://www.g3vfp.org

Enjoy :-).

Dave G3VFP

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.394 / Virus Database: 224 - Release Date: 03/10/2002

2372. FS: Garmin III+ GPS receiver

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-17 16:02:44 UTC
From: Michael Malloy <mmalloy@wi.rr.com>
Message-ID: <EaBr9.75257$om2.1317073@twister.rdc-kc.rr.com>
Source record: 4996
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.equipment,rec.radio.scanner,rec.radio.swap

I have a Garmin III+ GPS in like new condition. The unit includes the original box, manual , pc cable and all documentation. It has had little use and is a perfect unit for APRS applications as it does NMEA both in and out. Asking $175 shipped to your home in CONUS. If interested please email me directly at mmalloy@wi.rr.com.

Mike N9WJV

2373. sound cared reccomendation

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-17 22:40:10 UTC
From: garigue <garigue@attbi.com>
Message-ID: <e%Gr9.78260$Fz.238520@rwcrnsc51.ops.asp.att.net>
Source record: 4997

I am a little ill at ease requesting this info as I sure that this has been beaten to death. What would be a good card to get for digital mode utilization on HF? I am currently using a member of the VIA family that resides on the motherboard.

Thanks in advance and don't hit me!!

Tom KI3R Port Vue nr Pittsburgh

2374. Re: sound cared reccomendation

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-18 05:34:02 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <e3Nr9.1313$Mb3.89540@bgtnsc04-news.ops.worldnet.att.net>
Source record: 4998

"garigue" <garigue@attbi.com> wrote in message
news:e%Gr9.78260$Fz.238520@rwcrnsc51.ops.asp.att.net...
> I am a little ill at ease requesting this info as I sure that this has been
> beaten to death. What would be a good card to get for digital mode
> utilization on HF? I am currently using a member of the VIA family that
> resides on the motherboard.
>
> Thanks in advance and don't hit me!!
>
> Tom KI3R Port Vue nr Pittsburgh

My own favorite, for things like digitizing old rock records
as well as for Ham Radio, is the AWE64. Very low noise
floor, few problems with ground loops. I think almost any
sound card will do quite well for Ham Radio use though.

--

... Hank

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2375. Re: sound cared reccomendation

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-18 11:38:45 UTC
From: Dick <boleyd@yahoo.com>
Message-ID: <9pSr9.30669$Lg2.7710444@news2.news.adelphia.net>
Source record: 4999

I am using the sound "card" built into my motherboard and works as well as the SoundBlaster for PSK31. I have put the SB card on the shelf. Now audio purity and midi sound equivalence may not be as good but works for me.
Dick
N3HKN Delmont

"Hank Oredson" <horedson@att.net> wrote in message
news:e3Nr9.1313$Mb3.89540@bgtnsc04-news.ops.worldnet.att.net...
>
> "garigue" <garigue@attbi.com> wrote in message
> news:e%Gr9.78260$Fz.238520@rwcrnsc51.ops.asp.att.net...
> > I am a little ill at ease requesting this info as I sure that this has
been
> > beaten to death. What would be a good card to get for digital mode
> > utilization on HF? I am currently using a member of the VIA family that
> > resides on the motherboard.
> >
> > Thanks in advance and don't hit me!!
> >
> > Tom KI3R Port Vue nr Pittsburgh
>
>
> My own favorite, for things like digitizing old rock records
> as well as for Ham Radio, is the AWE64. Very low noise
> floor, few problems with ground loops. I think almost any
> sound card will do quite well for Ham Radio use though.
>
> --
>
> ... Hank
>
> Hank: http://horedson.home.att.net
> W0RLI: http://w0rli.home.att.net
>
>

2376. icom 737

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-18 12:39:24 UTC
From: Vince ve3elb <vcl@sympatico.ca>
Message-ID: <%iTr9.3234$OG5.330016@news20.bellglobal.com>
Source record: 5000

hello all I am looking for the computer control software for the icom-737 hf transceiver can anyone help me in finding it please let me know thank you

Vince ve3elb

2377. Does TAPR Exist ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-18 20:58:55 UTC
From: rclocal@yahoo.co.uk
Message-ID: <cb1b34c4.0210181258.44cd5004@posting.google.com>
Source record: 4901

Hi,

I wonder if anyone could tell me if TAPR are still alive and well and in business.

I am based in the UK, therefore transatlantic phonecalls are out of the question.

However I have sent them multiple emails because I am interested in ordering their TAC-2 kit ..... they have not yet had the decency to respond.

Could someone please confirm they are still operational.

Thanks

Ben

2378. Re: Does TAPR Exist ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-18 21:29:23 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0210182128420.7206-100000@exp.bde-arc.ampr.org>
Source record: 4902

On 18 Oct 2002, b wrote:
>I wonder if anyone could tell me if TAPR are still alive and well and
>in business.
>
>I am based in the UK, therefore transatlantic phonecalls are out of
>the question.
>
>However I have sent them multiple emails because I am interested in
>ordering their TAC-2 kit ..... they have not yet had the decency to
>respond.
>
>Could someone please confirm they are still operational.

Ask them at their web site, www.tapr.org.

2379. Re: Does TAPR Exist ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-18 23:23:14 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <CJ0s9.82866$XF.33781@news1.central.cox.net>
Source record: 4903

I understand they moved the office, and some things may have
fallen through the cracks. Send an email to one of the Directors.

I have a TAC-2 (Rev C) lying around, along with a Motorola
VP Oncore and Garmin antenna if you're interested.

http://www.tapr.org/tapr/html/Foncorevp.html

ftp://ftp.tapr.org/gps/motorola/oncore.eng.notes.pdf

I also have the floppy that came with it. I did have the TAC32
software, but the company quit sending me updates when I
dropped membership.

Let me know if you want it? This has been laying in a corner
for over a year now, so you'll have to test it for satisfaction.
If it doesn't work, I'll take it back. I can do PayPal.

Steve, K5OKC

"b" <rclocal@yahoo.co.uk> wrote
>
> However I have sent them multiple emails because I am interested in
> ordering their TAC-2 kit ..... they have not yet had the decency to
> respond.
>
> Ben

2380. Re: Does TAPR Exist ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-19 02:11:42 UTC
From: "Dana H. Myers" <dana@dioxine.net>
Message-ID: <3db0bf77$1@wobble>
Source record: 4904

D. Stussy wrote:
> On 18 Oct 2002, b wrote:
>
>>I wonder if anyone could tell me if TAPR are still alive and well and
>>in business.
>>
>>I am based in the UK, therefore transatlantic phonecalls are out of
>>the question.
>>
>>However I have sent them multiple emails because I am interested in
>>ordering their TAC-2 kit ..... they have not yet had the decency to
>>respond.
>>
>>Could someone please confirm they are still operational.
>
>
> Ask them at their web site, www.tapr.org.

Um, maybe I'm missing something obvious, but wouldn't
"asking them at their web site" involve email, which the
gent has already tried?

Dana K6JQ
k6jq@arrl.net

2381. Re: sound cared reccomendation

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-19 04:50:05 UTC
From: marsgal42@hotmail.com
Message-ID: <d42b5a72.0210182050.4205ea09@posting.google.com>
Source record: 4905

"garigue" <garigue@attbi.com> wrote in message
news:<e%Gr9.78260$Fz.238520@rwcrnsc51.ops.asp.att.net>...

> I am a little ill at ease requesting this info as I sure that this has been

> beaten to death. What would be a good card to get for digital mode

> utilization on HF? I am currently using a member of the VIA family that

> resides on the motherboard.

What's wrong with it? In what way did it not measure up?

This isn't a stringent application. The cheapest piece
of junk will do fine. Actually better, because you can
afford to blow it up if you plug the wrong cable in to
it. :-)

Laura Halliday VE7LDH ï¿½ ï¿½ "Que les nuages soient notre
Grid: CN89lg ï¿½ ï¿½ ï¿½ ï¿½ ï¿½ ï¿½ ï¿½ ï¿½ ï¿½ ï¿½pied a terre..."
ICBM: 49 16.57 N 123 0.24 W ï¿½ ï¿½ ï¿½ ï¿½- Hospital/Shafte

2382. Re: Does TAPR Exist ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-19 06:11:42 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <yl6s9.1748$jF2.974@news1.central.cox.net>
Source record: 4906

"Dana H. Myers" <dana@dioxine.net> wrote
>
> Um, maybe I'm missing something obvious, but wouldn't
> "asking them at their web site" involve email, which the
> gent has already tried?

Whether they answer or not, the organization is pretty much dead, as far as membership is concerned. They blew their wad on the ill fated spread spectrum attempt, and as soon as they sold their rights to Hendricks a few years ago (to which he did nothing in return) is when I bailed. Both the Dandin and TAPR web sites are basically frozen in time from about two years ago.

I was excited about them taking up the digital vocoder, but they have dropped the ball severely on that as well. No one I know expects them to actually produce anything new anymore.

One of the benefits of membership is "Full information on R&D projects." I never got the full story, and don't expect anyone except Hendricks and TAPR Directors, who joined him in raiding the organization, to ever tell the full story :-)

2383. Re: Does TAPR Exist ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-19 06:13:22 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0210190610130.366-100000@exp.bde-arc.ampr.org>
Source record: 4907

On Fri, 18 Oct 2002, Dana H. Myers wrote:
>D. Stussy wrote:
>> On 18 Oct 2002, b wrote:
>>
>>>I wonder if anyone could tell me if TAPR are still alive and well and
>>>in business.
>>>
>>>I am based in the UK, therefore transatlantic phonecalls are out of
>>>the question.
>>>
>>>However I have sent them multiple emails because I am interested in
>>>ordering their TAC-2 kit ..... they have not yet had the decency to
>>>respond.
>>>
>>>Could someone please confirm they are still operational.
>>
>>
>> Ask them at their web site, www.tapr.org.
>
>Um, maybe I'm missing something obvious, but wouldn't
>"asking them at their web site" involve email, which the
>gent has already tried?

That depends on what they have available through their web site. I have never fully explored it nor have I been there recently, but they COULD have some form of "webmail" instead of conventional e-mail (internally implemented quite differently) - or a web-based BBS. It's also possible that if they are having a problem of some sort with e-mail, they might post that on their web site.

2384. Re: Does TAPR Exist ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-19 08:11:07 UTC
From: Roger Barker <roger@peaksys.co.uk>
Message-ID: <2se+1XAbORs9Ew4K@peaksys.co.uk>
Source record: 4908

In article <3db0bf77$1@wobble>, Dana H. Myers <dana@dioxine.net> writes
>D. Stussy wrote:
>> On 18 Oct 2002, b wrote:
>>
>>>I wonder if anyone could tell me if TAPR are still alive and well and
>>>in business.
>>>
>>>I am based in the UK, therefore transatlantic phonecalls are out of
>>>the question.
>>>
>>>However I have sent them multiple emails because I am interested in
>>>ordering their TAC-2 kit ..... they have not yet had the decency to
>>>respond.
>>>
>>>Could someone please confirm they are still operational.
>>
>>
>> Ask them at their web site, www.tapr.org.
>
>Um, maybe I'm missing something obvious, but wouldn't
>"asking them at their web site" involve email, which the
>gent has already tried?

That depends on where he's been sending his emails...

Given that he's asking whether they are still operational, the web site
makes it pretty obvious they are. There's even an order page where he
can order the TAC-2 he's interested in.

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

2385. Re: Does TAPR Exist ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-19 09:13:28 UTC
From: rclocal@yahoo.co.uk
Message-ID: <cb1b34c4.0210190113.5737c5ed@posting.google.com>
Source record: 4909

Hi All,

Thank you very much for your replies to my message.

Steve, thank you very much for your kind offer, I am very interested in it.
What sort of pricing are we talking about ? (& approx shipping costs).
Email me offlist (rclocal@n0spam.yahoo.co.uk). (remove the n0spam bit)

Have a good weekend.

Ben

2386. Re: sound cared reccomendation

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-19 12:58:13 UTC
From: xpyttl <xpyttl_nospam@earthling.net>
Message-ID: <ur2lp7te1fahb4@corp.supernews.com>
Source record: 4910

A lot of older ham radio software, especially DOS base software, only works with genuine Creative Labs SoundBlaster cards, especially the old SB-16. These cards are available quite cheaply still. This isn't a problem with more recent software.

There's a lot to be said for Laura's comment about picking something cheap. At computer trade shows and the like a lot of sound cards are available for less than $15 or so. For ham radio applications, these are no different than the $300 type. But you can be a lot more relaxed about your experimentation. Heck, for $10 you can even keep a spare board around under the assumption that you will toast one (although that's actually pretty hard to do!)

..

"Laura Halliday" <marsgal42@hotmail.com> wrote in message
news:d42b5a72.0210182050.4205ea09@posting.google.com...
> "garigue" <garigue@attbi.com> wrote in message
news:<e%Gr9.78260$Fz.238520@rwcrnsc51.ops.asp.att.net>...
>
> > I am a little ill at ease requesting this info as I sure that this has
been
>
> > beaten to death. What would be a good card to get for digital mode
>
> > utilization on HF? I am currently using a member of the VIA family that
>
> > resides on the motherboard.
>
>
> What's wrong with it? In what way did it not measure up?
>
> This isn't a stringent application. The cheapest piece
> of junk will do fine. Actually better, because you can
> afford to blow it up if you plug the wrong cable in to
> it. :-)
>
> Laura Halliday VE7LDH "Que les nuages soient notre
> Grid: CN89lg pied a terre..."
> ICBM: 49 16.57 N 123 0.24 W - Hospital/Shafte

2387. Pactor frequencies?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-19 14:23:45 UTC
From: cprstn54zz@att.net
Message-ID: <3db16abe.76484312@news-server.optonline.net>
Source record: 4911

I am ready to start playing with Pactor on my KAM'98. What are some
good places to listen for or send CQ?

Ken KC2JDY

Ken
(to reply via email
remove "zz" from address)

2388. Re: Does TAPR Exist ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-19 16:27:26 UTC
From: Bruce Lane <feedspammerstothebalrog.4.spamvac@spamgourmet.com>
Message-ID: <MPG.181b27c6902a4a44989a26@news.drizzle.com>
Source record: 4912

In article <yI6s9.1748$jF2.974@news1.central.cox.net>,
k5okc@nojunk.cox.net says...

<snippety-one>

> Whether they answer or not, the organization is pretty much
> dead, as far as membership is concerned. They blew their

<snippety-two>

That's most unfortunate, as I had plans to order some more kits
from them, and I had purchased a year's membership to help facilitate
that (the cost of which I already made back in discounts on said kits).

I grant you, the reshuffle might explain the long delay I
experienced in receiving my initial order, and why I've gotten a sum
total of ONE newsletter in nearly a year.

Steve, I've not heard the whole story. Who the heck is this
"Hendricks" person? Is TAPR itself going to implode, or something?

Thanks much.

--
Bruce Lane, Owner and Head Hardware Heavy,
Blue Feather Technologies -- http://www.bluefeathertech.com
Amateur Radio: KC7GR (Formerly WD6EOS) since 12-77.
kyrrin (a/t) bluefeathertech dot-com (Reassemble to use)
"I'll get a life when someone demonstrates to me it would be superior to
what I have now..." (Taki Kogoma)

2389. Re: Does TAPR Exist ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-19 17:49:46 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <_Wgs9.7379$jF2.1836@news1.central.cox.net>
Source record: 4913

"Bruce Lane" wrote
>
> That's most unfortunate, as I had plans to order some more kits
> from them, and I had purchased a year's membership to help facilitate
> that (the cost of which I already made back in discounts on said kits).

Well, ordering kits is what keeps them in business, so I wouldn't
want to discourage that. If they ever produce a vocoder kit I will
rejoin and support them.

> I grant you, the reshuffle might explain the long delay I
> experienced in receiving my initial order, and why I've gotten a sum
> total of ONE newsletter in nearly a year.

Yes, I joined to get more information on the R&D and all I got
was the same as non-members, the PSR. I joined the Digital Voice
Sig, and so far, in a year, there hasn't been any traffic.

> Steve, I've not heard the whole story. Who the heck is this
> "Hendricks" person? Is TAPR itself going to implode, or something?

Let's hope they can liquidate and start over. At least clean up
the web server, and show some recent update dates at the bottom,
instead of 2001, etc. I don't have any insider information, I was
just a member like you. From what I understand they partnered
with Hendricks to somehow use their Spread Spectrum radio in
his desire to wireless network the big Indian Reservations. I
guess this would all of a sudden generate all kinds of investors,
and they could finally finish the radio. Alas, the stock market
crashed, and no one has any money. As far as I know, the
Google searches I find now all point to Proxim products, where
Proxim usually buys up any company that has a viable product.
You can see the radio still being listed at:

http://www.dandin.com/tdr900.html

I don't think they'll implode. They have a distinguished list of
directors, but who knows how many hours a week they meet
to discuss things. The PSR is pretty much their whole Public
Affairs right now, so whatever is in there, is all I know.

2390. Re: Pactor frequencies?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-21 08:47:21 UTC
From: Markus L <uo9oew@lnubb.pbz>
Message-ID: <3db3befc$0$234$4d4ebb8e@read-nat.news.nl.uu.net>
Source record: 4914

"Ken" <cprstn54zz@att.net> wrote in message
news:3db16abe.76484312@news-server.optonline.net...
> I am ready to start playing with Pactor on my KAM'98. What are some
> good places to listen for or send CQ?
> Ken KC2JDY

Ken
It's not that easy to find a live QSO partner. Suggest you call on 14073 or
14075 mark.
Majority of PACTOR tfc you monitor today is either BBS S&F or BBS to user.
To calibrate your dial, and make first real-life experiences, I recommend to
use some of
the 100+ BBSs, most of them stby 24hrs. Get an updated list from my
homepage:
http://home.tiscalinet.ch/hb9brj/ptc.html

Markus HB9BRJ

2391. Re: Does TAPR Exist ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-21 08:55:58 UTC
From: rclocal@yahoo.co.uk
Message-ID: <cb1b34c4.0210210055.2ec0d9db@posting.google.com>
Source record: 4915

Hi All,

Just thought I'd say that I got an email from one of the Officers,
turns out they are on holiday untill the 29th.

Thanks

Ben

2392. Help! HamComm/PK-232MBX

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-21 16:54:52 UTC
From: woodtownuk@aol.com
Message-ID: <20021021125452.23087.00001413@mb-fp.aol.com>
Source record: 4916

Apologies for appearing on here for the first time with a 'help' posting - but I think that's what I need!

I'm trying to get HamComm 3.1 to talk with an HF PK-232MBX and it just don't work! Works fine with PK-232s on Tx/Rx FEC and works fine on ARQ Listen (when all the users are using PK-232s), but I just can't get the mailbox to open up for me. What am I doing wrong?

MTIA

Angus Graham, G3TXL

2393. pk-900?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-21 19:43:05 UTC
From: Dave Allen <david_e_allen@agilent.com>
Message-ID: <3DB458C9.CF5DDBAA@agilent.com>
Source record: 4917

A friend is setting up a pk-900 for vhf/hf gateway use. For testing, he is connecting to his gateway on vhf and having it connect to my mbo on hf.

Trouble is, the gateway will only relay about half of my mbo's welcome msg onto vhf. The mbo (on hf) shows the whole msg transmitted and link turned over, and waiting for his reply, but he only sees half the msg and is waiting for more. And it cuts of in the middle of a line, so it's not an end-of-line thing.

Any tricks to making this work?

Thanks and 73, dave, wb0taq, colorado

2394. Re: Does TAPR Exist ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-21 19:53:37 UTC
From: W8JSA <w8jsa@exis.net>
Message-ID: <TfZs9.350$OF4.17616@sydney.visi.net>
Source record: 4918

b wrote:

> Hi,
>
> I wonder if anyone could tell me if TAPR are still alive and well and
> in business.
>
> I am based in the UK, therefore transatlantic phonecalls are out of
> the question.
>
> However I have sent them multiple emails because I am interested in
> ordering their TAC-2 kit ..... they have not yet had the decency to
> respond.
>
> Could someone please confirm they are still operational.
>
> Thanks
>
> Ben

TAPR is very much alive and well. I just received a couple of packages
in the mail Friday. The problem has been a computer that's been "eating"
orders, email, etc.

--
73 DE JEFF
CHESAPEAKE VA
36*45'42.34"N 076*15'01.29"W
UTM 18S 4069239N 0388394E
FM16us

2395. Re: ALE - what is it - where do I find it?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-21 19:58:57 UTC
From: W8JSA <w8jsa@exis.net>
Message-ID: <UkZs9.351$OF4.17888@sydney.visi.net>
Source record: 4919

mparkes wrote:

> Anyone have more info on this mode? I can't find much on the newsgroups
> but i know its in us and being tested -
> Thanks
> Mike AB7RU
>
Automatic Link Establishment. It enables two (or more) HF transceivers
to maintain communications with the other stations throughout the HF
band by "testing" the select frequencies for optimum conditions. If
conditions are found to be better on another frequency, the stations
automatically QSY to the new frequency.

--
73 DE JEFF
CHESAPEAKE VA
36*45'42.34"N 076*15'01.29"W
UTM 18S 4069239N 0388394E
FM16us

2396. FS: 2.4 GHz bi-drectional amp

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-22 02:28:02 UTC
From: BM <postmaster@verizon.net>
Message-ID: <SI2t9.22315$Pk1.4898@nwrddc02.gnilink.net>
Source record: 4920
Cross-posted to: rec.radio.amateur.digital.misc,alt.ham-radio.marketplace,rec.radio.swap

2400-2483 MHz ISM band spread spectrum two way amp. Fixed output +27 dBm, TX gain to 10 dB. RX pre-amp 12 dB, 3.8 dB NF. Female N connectors. Manufactured by YDI for Breezecom 802.11 systems. Full details: http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1391018285

Other 802.11 gear for sale
SA-PCR PCMCIA transceiver
http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1773216387

PI-CAT5 Power supply over ethernet:
http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1773216387

2397. Receiving GPS Data From TMD700A on PC in Packet Mode.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-22 09:53:25 UTC
From: naomanahmed@yahoo.com
Message-ID: <dcb2321a.0210220153.60200a88@posting.google.com>
Source record: 4921

Hi,

Will u please help me in this problem,

I am using Kenwood TM D700A in packet mode connected with PC.

I want to receive and display GPS Data on my PC but I could not find
any command to receive GPS data in Packet Mode.

Kindly tell me which command I should use to receive GPS data.

Thanks a lot in advance.

2398. Re: Receiving GPS Data From TMD700A on PC in Packet Mode.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-22 11:52:26 UTC
From: News Account <none@none.org>
Message-ID: <_Zat9.1592$UA4.1475878@news.alltel.net>
Source record: 4922

Do you have a hardware GPS attached to the unit?

73's

Don Woodward
KD4APP
AMSAT 33535
http://kd4app.webhop.org

"Nauman Ahmed" <naomanahmed@yahoo.com> wrote in message
news:dcb2321a.0210220153.60200a88@posting.google.com...
> Hi,
>
> Will u please help me in this problem,
>
> I am using Kenwood TM D700A in packet mode connected with PC.
>
> I want to receive and display GPS Data on my PC but I could not find
> any command to receive GPS data in Packet Mode.
>
> Kindly tell me which command I should use to receive GPS data.
>
> Thanks a lot in advance.

2399. Re: Receiving GPS Data From TMD700A on PC in Packet Mode.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-22 12:05:39 UTC
From: Roger Barker <roger@peaksys.co.uk>
Message-ID: <Eu9SFXAT8Tt9EwX7@peaksys.co.uk>
Source record: 4923

In article <dcb2321a.0210220153.60200a88@posting.google.com>, Nauman
Ahmed <naomanahmed@yahoo.com> writes
>Hi,
>
>Will u please help me in this problem,
>
>I am using Kenwood TM D700A in packet mode connected with PC.
>
>I want to receive and display GPS Data on my PC but I could not find
>any command to receive GPS data in Packet Mode.
>
>Kindly tell me which command I should use to receive GPS data.

GPSTEXT <GPS sentence header>
Selects the GPS sentence that the D700 sends to the PC. (E.g. GPSTEXT
$GPRMC)

LTMON n
'n' is the interval in seconds at which the D700 sends GPS data to the
PC. (E.g. LTMON 10)

LTMHEAD ON/OFF
Selects whether the GPS data is prefixed with a pseudo frame header.

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

2400. Pactor ??

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-22 20:55:21 UTC
From: James Nipper <jnipper@nospam.fdn.com>
Message-ID: <jVit9.49308$842.16817@news1.fdn.com>
Source record: 4924

This message is posted for a friend. I will forward any info to him.

Thanks !! 73 de Jim K4PYT

jnipper@fdn.com

I'm trying to get started in Pactor. My main idea is to send and receive email from my boat. I understand the basics but I'm having a little trouble with the details. I understand I need an HF radio, Pactor modem, and computer. My questions are as follows.

Will any HF radio work? Does it absolutely have to have a Temperature controlled crystal?

I have seen many packet modems that say they work on multiple modes, Amtor, Pactor, etc. However they don't say what modes of Pactor they handle. I.E Pactor-II or Pactor-III how do I tell? What Pactor modems are popular?

Thanks
Robert

2401. Kenwood TS-440SAT/PK-232 (13 pin DIN)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-22 21:11:35 UTC
From: Al Schwarz <ramtown@optonline.net>
Message-ID: <bajt9.5335$Z9.2903@news4.srv.hcvlny.cv.net>
Source record: 4925

I know these are 2 antiquated pieces of equipment, but thought maybe someone could help me out.

I am trying to use the ACC2 (13 pin) connector on the Kenwood TS-440SAT as an interface to my PK-232.
The maximum output level out of the PK-232 is about 100mV; whereas the "Data In" pin of ACC2 requires somewhere
around 500mV "or less". Consequently, the mic gain has to turned way up in order to get sufficient ALC. Is there a mod for the PK-232 in increase its output level?

I've used the ASFK in/out phono jacks in the past, and didn't have this level problem...but I'd like to have everything interfaced via ACC2 to simplify things.

Thanks...Al ND2K

2402. Re: ALE - what is it - where do I find it?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-22 21:13:59 UTC
From: Ted Sloan <tedsloan@dsl.pipex.com>
Message-ID: <3db5bf96$0$8507$cc9e4d1f@news.dial.pipex.com>
Source record: 4926

"W8JSA" <w8jsa@exis.net> wrote in message
news:UkZs9.351$OF4.17888@sydney.visi.net...
> mparkes wrote:
>
> > Anyone have more info on this mode? I can't find much on the newsgroups
> > but i know its in us and being tested -
> > Thanks
> > Mike AB7RU
> >
> Automatic Link Establishment. It enables two (or more) HF transceivers
> to maintain communications with the other stations throughout the HF
> band by "testing" the select frequencies for optimum conditions. If
> conditions are found to be better on another frequency, the stations
> automatically QSY to the new frequency.
>
> --
> 73 DE JEFF
> CHESAPEAKE VA
> 36*45'42.34"N 076*15'01.29"W
> UTM 18S 4069239N 0388394E
> FM16us
>

There is some activity here in Europe during our daytime on 14101 mHz
Calls to look for EA2AFR, GI4AHP, HB9BDM plus a couple of OH-stations.
Activity is sparse however.

73 Ted

2403. Re: ALE - what is it - where do I find it?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-22 21:18:28 UTC
From: haynes@alumni.uark.edu
Message-ID: <Egjt9.9992$U97.878269@newsread2.prod.itd.earthlink.net>
Source record: 4927

The place to learn about it is on a Yahoo group named 'hflink'

2404. Re: 2.4 GHz bi-drectional amp

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-22 22:59:17 UTC
From: Dan <n7slc@yahoo.com>
Message-ID: <ap4l87$ta5$1@terabinaries.xmission.com>
Source record: 4928
Cross-posted to: rec.radio.amateur.digital.misc,alt.ham-radio.marketplace,rec.radio.swap

FA instead of FS would be nice...

"BM" <postmaster@verizon.net> wrote in message
news:SI2t9.22315$Pk1.4898@nwrddc02.gnilink.net...
> 2400-2483 MHz ISM band spread spectrum two way amp. Fixed output +27 dBm,
TX
> gain to 10 dB. RX pre-amp 12 dB, 3.8 dB NF. Female N connectors.
> Manufactured by YDI for Breezecom 802.11 systems. Full details:
> http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1391018285
>
> Other 802.11 gear for sale
> SA-PCR PCMCIA transceiver
> http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1773216387
>
> PI-CAT5 Power supply over ethernet:
> http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1773216387
>
>

2405. Re: Pactor ??

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-23 01:55:24 UTC
From: "S. Miller" <stemp-removethis-@gstarusa.com>
Message-ID: <3DB6018C.B333A90D@gstarusa.com>
Source record: 4929

Hi James / Robert -

The answers to all of your questions can be found at the following sites:

www.airmail2000.com
www.winlink.org

I have also added some comments and additional links below.

- Seth

James Nipper wrote:

> This message is posted for a friend. I will forward any info to him.
>
> Thanks !! 73 de Jim K4PYT
>
> jnipper@fdn.com
>
> ----------
>
> I'm trying to get started in Pactor. My main idea is to send and
> receive email from my boat. I understand the basics but I'm having a
> little trouble with the details. I understand I need an HF radio,
> Pactor modem, and computer. My questions are as follows.

As far as I know there are two services that support HF email, one commercial (Sailmail) and one supported by a group of amateur radio volunteers (Winlink). Sailmail charges a $200/year fee (see www.sailmail.com) and Winlink is free, but since Winlink operates on amateur radio frequencies you will need an appropriate class of amateur radio license. This will require passing written technical and morse code proficiency tests. Passing these these tests will definitely require some study but they are not terribly difficult. More info on amateur radio and the exams required at www.arrl.org. Sailmail, while not free and somewhat more limited in terms of connect time (and thus the amount of email bandwidth), does not require any more than a standard FCC ship station radio license (no tests required).

>
>
> Will any HF radio work? Does it absolutely have to have a Temperature
> controlled crystal?
>

Most high-quality HF radios will work satisfactorily (but some are more preferable than than others - the web sites listed above have

recommendations). For data use the radio should have very good frequency stability and if it does then a TXCO oscillator is not absolutely mandatory (but probably a good idea).

>
> I have seen many packet modems that say they work on multiple modes,
> Amtor, Pactor, etc. However they don't say what modes of Pactor they
> handle. I.E Pactor-II or Pactor-III how do I tell? What Pactor
> modems are popular?

The only modem that supports the Pactor II & III modes is made by SCS (www.scs-ptc.com). The SCS modems are far and away the most popular for HF email use, and in my opinion Pactor II capability is mandatory for acceptable results for anything but the most minimal amount of email traffic. Others may disagree, but you should note that both the Winlink and Sailmail organizations very strongly recommend a Pactor II or III capable modem - which pretty much limits you to SCS.

>
> Thanks
> Robert

2406. Re: ALE - what is it - where do I find it?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-23 02:49:20 UTC
From: Tony Hackenberg <tony.hackenberg@worldnet.att.net>
Message-ID: <Q6ot9.19165$Mb3.677888@bgtnsc04-news.ops.worldnet.att.net>
Source record: 4930

Here are some ALE references:

http://www.chbrain.dircon.co.uk/pcale.html
http://www.hfindustry.com/ale.html
http://www.arrl.org/tis/info/ale.html
http://www.its.bldrdoc.gov/fs-1037/dir-004/_0457.htm
http://www.its.bldrdoc.gov/pub/oa-rpt/hf-ale/handbook/

73,
/s/
Tony/WA8SSQ

P.S. I'm still reading them and have not yet gotten any experience with
using ALE.

2407. Re: Receiving GPS Data From TMD700A on PC in Packet Mode.

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-23 06:25:33 UTC
From: naomanahmed@yahoo.com
Message-ID: <dcb2321a.0210222225.6a3afffa@posting.google.com>
Source record: 4931

Roger Barker <roger@peaksys.co.uk> wrote in message
news:<Eu9SFXAT8Tt9EwX7@peaksys.co.uk>...
> In article <dcb2321a.0210220153.60200a88@posting.google.com>, Nauman
> Ahmed <naomanahmed@yahoo.com> writes
> >Hi,
> >
> >Will u please help me in this problem,
> >
> >I am using Kenwood TM D700A in packet mode connected with PC.
> >
> >I want to receive and display GPS Data on my PC but I could not find
> >any command to receive GPS data in Packet Mode.
> >
> >Kindly tell me which command I should use to receive GPS data.
>
> GPSTEXT <GPS sentence header>
> Selects the GPS sentence that the D700 sends to the PC. (E.g. GPSTEXT
> $GPRMC)
>
> LTMON n
> 'n' is the interval in seconds at which the D700 sends GPS data to the
> PC. (E.g. LTMON 10)
>
> LTMHEAD ON/OFF
> Selects whether the GPS data is prefixed with a pseudo frame header.

Thanks a lot Mr Roger my problem is solved in a very good manner,
I got the whole GPS string on my PC.

2408. Re: Kenwood TS-440SAT/PK-232 (13 pin DIN)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-23 10:42:50 UTC
From: cmjk2og@aol.com
Message-ID: <20021023064250.06349.00000150@mb-bg.aol.com>
Source record: 4932

Lifting one leg of resistor R151 or R152 depending on which radio port you are using will get you about 30 or 40 watts with a normal mike gain setting. This assumes that you have the AFSK output pot on the PK-232 set to maximum. Drop me an email if you are having trouble setting up the Din 13 pin connector. It can be tricky.

73 and good luck,
C. Jespersen K2OG

2409. APRS with MFJ1278DSP

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-23 12:22:17 UTC
From: "Kw@tz" <gj.vinke@quicknet.nl>
Message-ID: <1035375943.635274@cache1>
Source record: 4933

Hi,

Anyone out there using APRS with the MFJ 1278 DSP....

I tried AGWPE but I am fed up with it.... won't work here not with the MFJ
not with the BAYCOM not with the soundcard...

Anyone any suggestion of another program who is working..

Tnx PA3DWC

2410. Re: Kenwood TS-440SAT/PK-232 (13 pin DIN)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-23 20:53:59 UTC
From: "Richard C. Ferryman" <Richard.Ferryman@btinternet.com>
Message-ID: <903eru4ga6n0eg6dd9q0h4a1dpsq9h6hb7@4ax.com>
Source record: 4934

I found it easiest to use an old mic transformer which gives isolation
as well as a 1:4 step up. Came out of a cheap dynamic mic. I did the
same for the RX audio but a 1:1 transformer..
If you are grounding the PTT you ought to ground the mic mute pin too
(pin 9) as this stops any possible mic pick-up on transmit. I use
parallel opto-isolators for this to give isolation. The TS0440 is a
real pig for picking up RF on the audio.
Richard G4BBH

cmjk2og@aol.com (Cmjk2og) wrote:

>Lifting one leg of resistor R151 or R152 depending on which radio port you are
>using will get you about 30 or 40 watts with a normal mike gain setting. This
>assumes that you have the AFSK output pot on the PK-232 set to maximum. Drop
>me an email if you are having trouble setting up the Din 13 pin connector. It
>can be tricky.
>
>73 and good luck,
>C. Jespersen K2OG

2411. Re: APRS with MFJ1278DSP

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-23 22:49:34 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <2IFt9.6900$lK5.2135@news1.central.cox.net>
Source record: 4935

I hear the Macintosh works pretty good, but I've never
owned one.

"Kw@tz" <gj.vinke@quicknet.nl> wrote
> Hi,
>
> Anyone out there using APRS with the MFJ 1278 DSP....
>
> I tried AGWPE but I am fed up with it.... won't work here not with the MFJ
> not with the BAYCOM not with the soundcard...
>
>
> Anyone any suggestion of another program who is working..
>
> Tnx PA3DWC

2412. radio shack digitraveler gps

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-24 02:08:43 UTC
From: nm4v@arrl.net
Message-ID: <5fc3bff9.0210231808.72aacffc@posting.google.com>
Source record: 4936

I have looking a way to get into aprs and the new radio shack digitraveler looks like an easy route. has anyone tried one and how well does it work??

Charles NM4V

2413. Re: radio shack digitraveler gps

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-24 15:58:20 UTC
From: marsgal42@hotmail.com
Message-ID: <d42b5a72.0210240758.5184fd70@posting.google.com>
Source record: 4937

nm4v@arrl.net (Charles Lowery) wrote in message
news:<5fc3bff9.0210231808.72aacffc@posting.google.com>...

> I have looking a way to get into aprs and the new radio shack
> digitraveler looks like an easy route. has anyone tried one and how
> well does it work??

Depends on what comes out of its cable. If it's NMEA,
you're in business. If it isn't, you're not.

Since you're curious, why not try one and see?

Laura Halliday VE7LDH "Que les nuages soient notre
Grid: CN89lg pied a terre..."
ICBM: 49 16.57 N 123 0.24 W - Hospital/Shafte

2414. Re: radio shack digitraveler gps/Small GPS for THd7a?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-25 04:33:05 UTC
From: Cathryn Mataga <cathryn@junglevision.com>
Message-ID: <apagr9$f09$1@news.laserlink.net>
Source record: 4938

Charles Lowery wrote:
> I have looking a way to get into aprs and the new radio shack
> digitraveler looks like an easy route. has anyone tried one and how
> well does it work??

Don't know about digitraveler. I have the Emap and it works
good with the THd7a. You know, though it is kind of unwieldy carrying
the GPS and the radio together with the cables and all. Does anyone
make a super-tiny GPS receiver that can plug into the THd7a and like
maybe stay stuck neatly in a little pack or something? That's what I
really need to make this truly handy.

2415. Re: radio shack digitraveler gps

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-25 06:27:40 UTC
From: R Moose <nospam.rpmoose@cox.net>
Message-ID: <wv5u9.12048$lK5.4867@news1.central.cox.net>
Source record: 4939

I'm pretty sure it isn't NMEA. In Delorme's XMAP handheld edition, the GPS options include NMEA, Earthmate, and RadioShack DigiTraveler. There might be a way to convert the data format to NMEA, similar to how people are able to do that with an Earthmate.

--
Thanks,

Robert Moose

"Laura Halliday" <marsgal42@hotmail.com> wrote in message news:d42b5a72.0210240758.5184fd70@posting.google.com...
> nm4v@arrl.net (Charles Lowery) wrote in message news:<5fc3bff9.0210231808.72aacffc@posting.google.com>...
>
> > I have looking a way to get into aprs and the new radio shack
> > digitraveler looks like an easy route. has anyone tried one and how
> > well does it work??
>
> Depends on what comes out of its cable. If it's NMEA,
> you're in business. If it isn't, you're not.
>
> Since you're curious, why not try one and see?
>
> Laura Halliday VE7LDH "Que les nuages soient notre
> Grid: CN89lg pied a terre..."
> ICBM: 49 16.57 N 123 0.24 W - Hospital/Shafte

2416. Here is a site with digital recordings of cordless phone transmissions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-25 13:50:38 UTC
From: johnfofawn@hotmail.com
Message-ID: <d89364bd.0210250550.560a42b5@posting.google.com>
Source record: 4940
Cross-posted to: rec.radio.scanner,alt.radio.scanner,rec.radio.amateur.digital.misc

http://members.fortunecity.com/ma351/

What do you think?

2417. Re: radio shack digitraveler gps/Small GPS for THd7a?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-25 15:40:08 UTC
From: Howard Long <howard@howardlongxxx.com>
Message-ID: <apboko$q5$1@sparta.btinternet.com>
Source record: 4941

Hello Charles

> Don't know about digitraveler. I have the Emap and it works
> good with the THd7a. You know, though it is kind of unwieldy carrying
> the GPS and the radio together with the cables and all. Does anyone
> make a super-tiny GPS receiver that can plug into the THd7a and like
> maybe stay stuck neatly in a little pack or something? That's what I
> really need to make this truly handy.

I have the same, although I never worked out how to use it bidirectionally - that is, show others' positions on the emap display as well as work as a simple beacon.

But, if you only need to work as a beacon check out http://www.garmin.com/products/gps35/

73 Howard G6LVB

2418. Re: Here is a site with digital recordings of cordless phone transmissions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-25 16:31:34 UTC
From: Joop van der Velden <pe1dna@amsat.org>
Message-ID: <VA.00000542.04f6978b@amsat.org>
Source record: 4942
Cross-posted to: rec.radio.scanner,alt.radio.scanner,rec.radio.amateur.digital.misc

John wrote:

> What do you think?

I wonder why this guy used all this expensive equipment to do something
that could also have been done on a simple wideband scanner.

--
Joop van der Velden
pe1dna@amsat.org

2419. Re: radio shack digitraveler gps/Small GPS for THd7a?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-25 17:01:55 UTC
From: Cathryn Mataga <cathryn@junglevision.com>
Message-ID: <apbso7$bg9$1@news.laserlink.net>
Source record: 4943

Howard Long wrote:
> Hello Charles
>
>
>>Don't know about digitraveler. I have the Emap and it works
>>good with the THd7a. You know, though it is kind of unwieldy carrying
>>the GPS and the radio together with the cables and all. Does anyone
>>make a super-tiny GPS receiver that can plug into the THd7a and like
>>maybe stay stuck neatly in a little pack or something? That's what I
>>really need to make this truly handy.
>
>
> I have the same, although I never worked out how to use it bidirectionally -
> that is, show others' positions on the emap display as well as work as a
> simple beacon.

That's weird, because for me I do see other ham radio stations on my
Emap. I don't remember doing anything to turn it on. I have left it on
a really long time, days and days, and maybe that's what did it. The funny
thing is I'll be driving around, and I'll see ham stations from who knows
when sitting there on the map. I'm not sure when they go away.

Now that I think about it, maybe it'd just be better to make a less
unwieldy cable. I have the Garmin cable,
and an adaptor and the Kenwood cable. And, maybe what I need is to just
find a pigtail for the Garmin connector for a nice short connector, and
maybe a velcro strap to hold the two together. I'm surprised Kenwood
hasn't made a GPS/battery pack combo or something. That's what would
be perfect.

2420. Re: radio shack digitraveler gps/Small GPS for THd7a?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-25 20:01:42 UTC
From: William Robison <william-robison@uiowa.edu.com>
Message-ID: <3DB9A326.54A490C@uiowa.edu.com>
Source record: 4944

Cathryn Mataga wrote:
>
> Now that I think about it, maybe it'd just be better to make a less
> unwieldy cable. I have the Garmin cable,
> and an adaptor and the Kenwood cable. And, maybe what I need is to just
> find a pigtail for the Garmin connector for a nice short connector, and
> maybe a velcro strap to hold the two together. I'm surprised Kenwood
> hasn't made a GPS/battery pack combo or something. That's what would
> be perfect.

If I can only remember the outfit... Had cables for the THD7A and the
TMD700
made up...

http://www.bluehillsinnovations.com/

(Staying ahead of bitrot)

Had several cables made at a reasonable price:

Garmin round to sub-miniature stereo jack (the Kenwood GPS jack)
Garmin round to sub-miniature stereo jack w power plug (8 Volt)
DE9 to connect sub-miniature stereo jack for GPS-to-PC cable
(Garmin 168 has DE9 to connect to PC, use this cable
to do a quick hack in the boat/car).

Proces & delivery were reasonable

regards
-Willy
KC0JFQ

2421. Re: Here is a site with digital recordings of cordless phone transmissions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-25 21:09:07 UTC
From: Tom <tomnospam@tradewebdesign.com>
Message-ID: <Diiu9.9521$46.4112@fe01>
Source record: 4945
Cross-posted to: rec.radio.scanner,alt.radio.scanner,rec.radio.amateur.digital.misc

Hi,
I would like to hear my vtech 900mhz cordless phone but I do not know if I
am picking up the digital signal or hash. I have a pro 2005 with a optoscan
board. Please let me know how you are able to hear a digital signal using a
wideband scanner. I read that if you record the sound into a sound card and
play it back as a pcm file it will work but I still get the same hiss sound.
Tom
Tom
"Joop van der Velden" <pe1dna@amsat.org> wrote in message
news:VA.00000542.04f6978b@amsat.org...
> John wrote:
>
> > What do you think?
>
> I wonder why this guy used all this expensive equipment to do something
> that could also have been done on a simple wideband scanner.
>
> --
> Joop van der Velden
> pe1dna@amsat.org
>
>

2422. FS: SONY ICF-2010 w/Kiwa filters installed

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-26 03:09:16 UTC
From: Chuck Yarbrough <wampus@nc.rr.com>
Message-ID: <wHnu9.25912$dn3.1107935@twister.southeast.rr.com>
Source record: 4946
Cross-posted to:
rec.radio.swap,rec.radio.shortwave,rec.radio.amateur.equipment,rec.radio.amateur.dx,rec.radio.amateur.digital.misc

All--I have a Sony ICF-2010 MW/FM/SW/AIR radio with both the AM and SSB filters replaced with the higher quality KIWA replacement filters. Radio sound and looks great. Asking $250.00US plus $10.00 Shipping. The Sony power adapter for the radio is also included as well as the owner's manual.

Please respond to wampus@nc.rr.com. Thanks

Chuck

2423. Re: Here is a site with digital recordings of cordless phone transmissions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-26 03:51:40 UTC
From: "William H. O'Hara, III" <whoohara@yahoo.com>
Message-ID: <Xns92B2F3F9BFF2EAlphaCentauriAAAHAWK@65.100.3.61>
Source record: 4947
Cross-posted to: rec.radio.scanner,alt.radio.scanner,rec.radio.amateur.digital.misc

> I would like to hear my vtech 900mhz cordless phone but I do not know
> if I am picking up the digital signal or hash. I have a pro 2005 with
> a optoscan board. Please let me know how you are able to hear a
> digital signal using a wideband scanner. I read that if you record the
> sound into a sound card and play it back as a pcm file it will work
> but I still get the same hiss sound. Tom
>> I wonder why this guy used all this expensive equipment to do
>> something that could also have been done on a simple wideband
>> scanner.

I would love to find out how(unrepeatable) my FM
radio once tuned into a harmonic? of my Vtech 900mhz.
Seriously. Copy was very perfect and there was a very
strong signal.

Bill
KB1IUB

2424. Re: Here is a site with digital recordings of cordless phone transmissions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-26 16:59:26 UTC
From: johnfofawn@hotmail.com
Message-ID: <d89364bd.0210260859.7d5aa737@posting.google.com>
Source record: 4948
Cross-posted to: rec.radio.scanner,alt.radio.scanner,rec.radio.amateur.digital.misc

Joop van der Velden <pe1dna@amsat.org> wrote in message
news:<VA.00000542.04f6978b@amsat.org>...
> John wrote:
>
> > What do you think?
>
> I wonder why this guy used all this expensive equipment to do something
> that could also have been done on a simple wideband scanner.

Duh! You use what you have. If you don't have a wideband scanner, you
don't use a wideband scanner. If you have a lab full of expensive
gear, then that's what you use.
Joop!

John

2425. Vc-h1 16-pin plug

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-26 22:06:47 UTC
From: Cathryn Mataga <cathryn@junglevision.com>
Message-ID: <apf2v3$7g5$1@news.laserlink.net>
Source record: 4949

What kind of plug is on the bottom of the VC-h1? It's a wide, thin metal shield. And inside it looks like there are two sets of 8 pins, which clamp over the other side which is sort of like the thin edge of a pc board, except it's black plastic and is surrounded by another metal shield which matches nicely to the plug on the other side. Kenwood want $30 for a pigtail, which seems a bit much.

2426. Re: Here is a site with digital recordings of cordless phone transmissions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-27 21:21:17 UTC
From: Joop van der Velden <pe1dna@amsat.org>
Message-ID: <VA.0000054b.067efc80@amsat.org>
Source record: 4950
Cross-posted to: rec.radio.scanner,alt.radio.scanner,rec.radio.amateur.digital.misc

John wrote:

> > > What do you think?
> >
> > I wonder why this guy used all this expensive equipment to do something
> > that could also have been done on a simple wideband scanner.
>
> Duh! You use what you have. If you don't have a wideband scanner, you
> don't use a wideband scanner. If you have a lab full of expensive
> gear, then that's what you use.
> Joop!

Well, you asked me what i thought, and i told it. I didn't expect the
Spanish Inquisition! :-)

--
Joop van der Velden
pe1dna@amsat.org

2427. IC-730 and RTTY

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-27 22:12:58 UTC
From: Spiros Xanthopoulos <sxanthop@internet.gr>
Message-ID: <aphodj$pr0$1@news.internet.gr>
Source record: 4851

Hello everyone,

Anyone works RTTY with IC-730 HF ?

Tnx for info...

73 de SV2EVS

2428. Re: IC-730 and RTTY

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-28 08:28:58 UTC
From: Cathryn Mataga <cathryn@junglevision.com>
Message-ID: <apirormlf1@news.laserlink.net>
Source record: 4852

Spiros Xanthopoulos wrote:
> Hello everyone,
>
> Anyone works RTTY with IC-730 HF ?
>
> Tnx for info...
>
> 73 de SV2EVS
>

Not recently, but I did have a IC-730 a ways back, and it worked
fine for RTTY. (I don't have it anymore. I gave the radio to my brother.)

I even used it for Pactor even though people said
the radio was too slow for Pactor. My recollection was that I just
wired my PK232 to the accessory jack on the back and it just worked.

2429. Unknow Stream : Can u help me to identy it ???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-28 14:10:42 UTC
From: gede_ripper@yahoo.com
Message-ID: <daf1c557.0210280610.e7ac91b@posting.google.com>
Source record: 4853

Hi !

Using my TV card receiver,
I received on 163.5 MHz (in France)a audio stream...

I did not identify the 'encoding' type
FAX ? SSTV ? RTTY ? ...

I tried a lot of thing to see what's about...

May be you can help me listening to this mp3 ?

http://membres.lycos.fr/ripper/unknownsig/Signal.mp3

And the way I have to go to decode this...

Thanks a lot..

Gede.

2430. Re: Here is a site with digital recordings of cordless phone transmissions

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-28 17:11:27 UTC
From: Dana Myers K6JQ <k6jq@arrl.net>
Message-ID: <3dbd6faf_5@news.teranews.com>
Source record: 4854
Cross-posted to: rec.radio.scanner,alt.radio.scanner,rec.radio.amateur.digital.misc

Joop van der Velden wrote:

> Well, you asked me what i thought, and i told it. I didn't expect the
> Spanish Inquisition! :-)

No one expects.... uh never mind ;-)

On a serious note, I looked at that page and used the FCC ID# to look
up the certification and found a complete block diagram and schematic
of the base and handset; the phone doesn't appear to be scrambled at all,
it's compandored using an off-the-shelf Toshiba chip.

It's just wideband FM-modulated compandored analog. I wouldn't
use it at my house.

Dana K6JQ
k6jq@arrl.org

2431. Re: Unknow Stream : Can u help me to identy it ???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-29 17:55:50 UTC
From: marsgal42@hotmail.com
Message-ID: <d42b5a72.0210290955.60db012@posting.google.com>
Source record: 4855

gede_ripper@yahoo.com (gede_ripper) wrote in message
news:<daf1c557.0210280610.e7ac91b@posting.google.com>...
> Hi !
>
> Using my TV card receiver,
> I received on 163.5 MHz (in France)a audio stream...
>
> I did not identify the 'encoding' type
> FAX ? SSTV ? RTTY ? ...
>
> I tried a lot of thing to see what's about...

MP3 is not a good way to record data signals, because
much of the information content is inaudible to humans,
and is thus discarded by MP3. A few seconds of an
uncompressed format (e.g. WAV) would be a lot easier
to analyze.

With that said, you've captured a data signal. It appears
to be quaternary FSK, with a bit rate on the order of
9600 bits per second. I'd guess that it's paging data,
possibly FLEX.

Laura Halliday VE7LDH "Que les nuages soient notre
Grid: CN89lg pied a terre..."
ICBM: 49 16.57 N 123 0.24 W - Hospital/Shafte

2432. FS: 2.4 GHz RF amplifier

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-29 21:40:29 UTC
From: BM <postmaster@verizon.net>
Message-ID: <hfDv9.45381$wm6.28883@nwrddc01.gnilink.net>
Source record: 4856
Cross-posted to: rec.radio.swap,rec.radio.amateur.digital.misc,alt.ham-radio.marketplace

YDI bi-directional 2.4 GHz ISM band amplifier for 802.11 or other
applications
0.5 watt output, 10dB tx gan, 12 dB receive gain, 3.8 dB NF
http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=2065070884
no reserve

2433. Re: 2.4 GHz RF amplifier

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-29 21:44:45 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <hjDv9.56022$lK5.40806@news1.central.cox.net>
Source record: 4857

I'll give you $5, you pay shipping. I need the power supply
too. Also, since these are worthless with a pair of them, I
need both. OK, $6.00.

Thanks!

"BM" <postmaster@verizon.net> wrote
> YDI bi-directional 2.4 GHz ISM band amplifier for 802.11 or other
> applications
> 0.5 watt output, 10dB tx gan, 12 dB receive gain, 3.8 dB NF
> http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=2065060884
> no reserve

2434. Re: Unknow Stream : Can u help me to identy it ???

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-30 11:45:47 UTC
From: gede_ripper@yahoo.com
Message-ID: <daf1c557.0210300345.3e18c9fd@posting.google.com>
Source record: 4858

> MP3 is not a good way to record data signals, because
> much of the information content is inaudible to humans,
> and is thus discarded by MP3. A few seconds of an
> uncompressed format (e.g. WAV) would be a lot easier
> to analyze.
>
> With that said, you've captured a data signal. It appears
> to be quaternary FSK, with a bit rate on the order of
> 9600 bits per second. I'd guess that it's paging data,
> possibly FLEX.
>
> Laura Halliday VE7LDH "Que les nuages soient notre
> Grid: CN89lg pied a terre..."
> ICBM: 49 16.57 N 123 0.24 W - Hospital/Shafte

Hi Laura,

Of course I know that MP3 is not the best format to analyse
data, and my TV card is not the best receiver to get
stream data ! :)
I just wanted to know...
Thanks a lot for your help...
I tried to decode with Acar program, but my reception quality
is realy too poor ! Maybe it should be better near Vancouver...

See U

Guillaume D.

"On est vraiment bien peu de chose"
myself :)

2435. Logging from Hamscope

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-30 23:57:27 UTC
From: Ron AK4RF <ron_farren@hotmail.com>
Message-ID: <apprl5$cl5$1@slb4.atl.mindspring.net>
Source record: 4859

I am just getting starting with some of these digital modes - namely, PSK31. I have installed Hamscope V1.51 (Win XP) and have a minor problem. I am NOT using any other logging program (maybe later) and have NOT entered any information into the Setup so I expected to be able to click the "Log It" button and have the info stored in a file. The Help file seems to indicate this should work. The program never asks for a file name and seems to do nothing. A search of the drives failed to find any new files. Nothing shows up in the INI files or the Registry.

Other than this minor anomaly the program seems to perform as advertised. Any help would be appreciated including comments to redirect this question elsewhere.

TIA

Ron AK4RF

2436. Linux userspace soundmodem/packet ptt problem

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-31 09:47:30 UTC
From: Bob Cameron <bob.cameron.remove@optusnet.com.au>
Message-ID: <j7uqpa.en8.ln@p400bob.lse.com.au>
Source record: 4860

Hi All

Trying to setup kernel 2.4.19, soundmodem-0.7, ax25-tools-08 ax25-apps-06 & libax25-10 on a SuSE 7.1 distribution that has had lots of changes!

Have a problem with the PTT on the serial port /dev/ttyS0. No it isnt the short tx or non work of a year ir so back. The PTT (RTS etc) line goes high as soon as soundmodem is loaded or the soudnmodeconfig utility is put into diag mode.

It is resolving packets perfectly on RX and it makes the right TX noises. Only the PTT is the problem. I haven't tried the parallel port cause I need it for other things...

QSSTV and other serial devices work perfectly.

The kernel was actualy compiled with the kernel mode soundmodem but I diidnt insmod the modules.

Any thoughts, ideas?

Cheers Bob VK2YQA

2437. Packet Software

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-31 12:14:40 UTC
From: "Tim J. Neff" <computermagician@earthlink.net>
Message-ID: <Q89w9.5208$V15.523745@newsread2.prod.itd.earthlink.net>
Source record: 4861

I am looking for a good Packet Terminal Program to work with my Kenwood TS-2000. Could someone please make a recommendation and share a copy.

Thanks

Tim

2438. Re: Packet Software

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-10-31 17:16:29 UTC
From: "R. Scott" <washingtonham@yahoo.com>
Message-ID: <3DC1656D.C18ED12A@yahoo.com>
Source record: 4862

"Tim J. Neff" wrote:
>
> I am looking for a good Packet Terminal Program to work with my Kenwood
> TS-2000. Could someone please make a recommendation and share a copy.
>
> Thanks
>
> Tim

Go to http://www.glaswerks.com/xpware/

You will find none better.

Scotty N7HJ

2439. FA Poqet Classic Palmtop Computer $49.95

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-01 02:42:08 UTC
From: Mel Zwillenberg <vze2b33c@verizon.net>
Message-ID: <3DC21405.AB00B69C@verizon.net>
Source record: 4863

Look at:

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1394060883&rd=1

Equivalent of an IBM XT with 512 KB RAM. MSDOS 3.3 and PIM software in ROM.
Runs for weeks on two "AA" alkaline batteries. Two PCMCIA Type I slots for SRAM memory cards. PCMCIA flash
memory cards can be written in another computer and used as read-only in the Poqet Classic. MDA and CGA B&W screen.
No scratches on screen. I will include a connector for the rear proprietary connection so you can make your own serial
adapter. Great for Ham Radio packet. Here are some more specs:

Size: 8.8" x 4.3" x 1" 22.3cm x 10.9cm x 2.5cm Weight: 1.2 lb (0.54 kg) w/batteries Battery life: 50-100 hours (about 2-3
weeks) Microprocessor: 80C88 / 0-8Mhz Memory: 640 KB SRAM Display: reflective DSTN (no backlight) Display
compatibility: MDA: 80 x 25 characters CGA: 640 x 200 pixels PCMCIA: 2-Type I, Revision 1.0 memory card slots SRAM
cards must operate a 3.3v Does not support Revision 2.0 modem and network cards. Secondary storage: Drive A: 512 KB -
2 MB PCMCIA (not included) Drive B: 512 KB - 2 MB PCMCIA (not included) Drive C: 768 KB ROM drive with
MS-DOS 3.3 and PoqetTools Drive D: 22K volatile RAM drive Built-in software: MS-DOS 3.3, PoqetLink, and PoqetTools

2440. SkySweeper 2.10 released

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-02 15:04:03 UTC
From: Arto Peltomaki <apelt1@kolumbus.fi>
Message-ID: <aq0phh$9db$1@phys-news1.kolumbus.fi>
Source record: 4864
Cross-posted to: rec.radio.shortwave,rec.radio.amateur.digital.misc

It seems to be a new version of Skysweeper containing much new nice things
in their web site (www.skysweep.com).

-artsi

2441. Flexnet and Windows XP?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-05 08:41:58 UTC
From: Arjen.Raateland@ymparisto.fi
Message-ID: <61349bfd.0211050041.296e72fe@posting.google.com>
Source record: 4865

Anybody have any success with Flexnet under Windows XP?

I changed to a new notebook running XP from one running Windows 95.
The new computer (HP5179) has no built-in serial port, but a USB to
serial adapter was provided.
On the old notebook the packet setup worked fine: NBF packet mail
program, Flexnet, TNC2c with 6PACK firmware.

The USB to serial adapter on the new computer works OK with the other
serial connections I tried ((1) my satellite tuner and (2) my TNC in
TF2.7b/WA8DED Terminal mode with Hyperterminal on the PC). The TNC is
the same, so is the serial cable.

However the Flexnet parameter screen keeps showing a question mark in
the icon for the channel I set up; it doesn't work. Flexnet Control
locks up when I make changes to the parameters (set them up anew).

Will I really have to go back to WA8DED hostmode on the TNC2c to make
it work?

If there is a dedicated group for Flexnet, I haven't found it, so
please inform me.

Tnx and 73,
Arjen
OH2ZAZ, Helsinki

2442. Re: Flexnet and Windows XP?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-05 10:15:00 UTC
From: Roger Barker <roger@peaksys.co.uk>
Message-ID: <X0M2TLAko5x9EwVv@peaksys.co.uk>
Source record: 4866

In article <61349bfd.0211050041.296e72fe@posting.google.com>, Arjen
Raateland <Arjen.Raateland@ymparisto.fi> writes
>Anybody have any success with Flexnet under Windows XP?
>
>I changed to a new notebook running XP from one running Windows 95.
>The new computer (HP5179) has no built-in serial port, but a USB to
>serial adapter was provided.
>On the old notebook the packet setup worked fine: NBF packet mail
>program, Flexnet, TNC2c with 6PACK firmware.
>
>The USB to serial adapter on the new computer works OK with the other
>serial connections I tried ((1) my satellite tuner and (2) my TNC in
>TF2.7b/WA8DED Terminal mode with Hyperterminal on the PC). The TNC is
>the same, so is the serial cable.
>
>However the Flexnet parameter screen keeps showing a question mark in
>the icon for the channel I set up; it doesn't work. Flexnet Control
>locks up when I make changes to the parameters (set them up anew).
>
>Will I really have to go back to WA8DED hostmode on the TNC2c to make
>it work?

I have only used it for test purposes, but Flex32 works ok for me with
WinXP. However, it only works with standard COM ports, I cannot persuade
it to work with my Belkin F5U103 USB adapter.

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

2443. Re: Flexnet and Windows XP?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-05 10:48:54 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <qmNx9.202$1m.182527013@newssvr11.news.prodigy.com>
Source record: 4867

"Arjen Raateland" <Arjen.Raateland@ymparisto.fi> wrote in message
news:61349bfd.0211050041.296e72fe@posting.google.com...
>
> If there is a dedicated group for Flexnet, I haven't found it, so
> please inform me.
>

There is a FlexNet mailing list at http://www.qth.net that has been around for quite a while. It is mentioned, by the way, at the FlexNet web site.

There is also a FlexNet support forum at http://www.uspacket.net .

I started up both the list and the forum. - But haven't tried to run FlexNet on Windows XP yet. I'm still using Win98SE. When this computer fries, I imagine I will upgrade to XP, or whatever is current at the time.

By the way, I hear a rumor that the next Microsoft OS will no longer be called "Windows" at all. Don't know if it's a new system or just a name change. Guess we'll find out, sooner or later.

Good luck!

Charles, N5PVL
webmaster@uspacket.net

2444. Radio Control Remote

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-05 11:08:23 UTC
From: behnamd@sedgewall.co.uk
Message-ID: <56364d33.0211050308.7d04e23e@posting.google.com>
Source record: 4868

We have solution to control marine band radio in whatever distances.

One of our overseas project is suppling a VHF base station full duplex with DSC on transmit and receive and facilities to receive GMDSS signals. The remote controls of these radios need to control the radio from 600, 700, 4800 meter distances.

The controler can listen to radio all the time, it's possible to listen to many channels at a same time.

to obtain more information about our company look at our website on http://www.sedgewall.co.uk

2445. My realtime Windows95 ham activity

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-05 12:00:58 UTC
From: Patrick Marullaz <pm.acces@free.fr>
Message-ID: <3dc7b2f6$0$6108$626a54ce@news.free.fr>
Source record: 4869

Hi all !

At url: http://f5tci.chez.tiscali.fr
you can find my realtime Windows95 desktop
uploaded each minute except the night.
When i'm working, only my realtime HF/VHF
RX french APRS map is uploaded but when i'm QRV
in shack, you can see my PSK, SSTV trafic and
my other activity software (rx M�t�osat ect...)

Have a good week !

Patrick, F5TCI JN36IE

2446. Re: Flexnet and Windows XP?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-05 15:54:41 UTC
From: Arjen Raateland <arjen.raateland@ymparisto.fi>
Message-ID: <3DC7E9C1.D4A150AA@ymparisto.fi>
Source record: 4870

Roger Barker wrote:
> I have only used it for test purposes, but Flex32 works ok for me with
> WinXP. However, it only works with standard COM ports, I cannot persuade
> it to work with my Belkin F5U103 USB adapter.

Thanks Roger!

So I'll have to go back to the future many years and reinstate
Nordlink's TF2.7b in my TNC or build/buy new hardware perhaps??

I think the options of that firmware were 'Hostmode' or KISS. I can't
remember having much lasting success with those under Windows 95,
though.

Next question: What packet mail software works under Windows XP with
either of those with any success?

I have shown the serial connection through the USB-adapter to work OK
with the TNC2c in Terminal mode, so there is some hope, but under
Windows 95 the (standard) serial port on my old notebook couldn't really
handle HOSTMODE over any extended period of time. I then tried KISS and
BPQ (?) for a while, but somehow that wasn't satisfying either. It's so
long ago I can't remember very well, but it was a struggle. Flexnet
solved it, but here we are, back at the start.

73,
--
Arjen Raateland
OH2ZAZ

2447. Re: Flexnet and Windows XP?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-05 16:29:00 UTC
From: Roger Barker <roger@peaksys.co.uk>
Message-ID: <myWayxBMH$x9EwTz@peaksys.co.uk>
Source record: 4871

In article <3DC7E9C1.D4A150AA@ymparisto.fi>, Arjen Raateland
<arjen.raateland@ymparisto.fi> writes
>
>
>Roger Barker wrote:
>> I have only used it for test purposes, but Flex32 works ok for me with
>> WinXP. However, it only works with standard COM ports, I cannot persuade
>> it to work with my Belkin F5U103 USB adapter.
>
>Thanks Roger!
>
>So I'll have to go back to the future many years and reinstate
>Nordlink's TF2.7b in my TNC or build/buy new hardware perhaps??
>
>I think the options of that firmware were 'Hostmode' or KISS. I can't
>remember having much lasting success with those under Windows 95,
>though.
>
>Next question: What packet mail software works under Windows XP with
>either of those with any success?

WinPack will work with TF2.7b in host mode, but the continuous TF host
mode polling loop is a severe stress test for a USB adapter!

Why not use AGWPE? It works fine with TF2.7b in KISS mode. You can then
use WinPack with it, or several other packet programs.

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

2448. PSK31 TNC's?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-05 21:48:00 UTC
From: cprstn54zz@att.net
Message-ID: <3dc83c50.467649734@news-server.optonline.net>
Source record: 4872

I know the KAM XL and the SCS TNC's were all there was last year in
the wy of TNC's that could handle PSK31; are there any more offerings
ths year? (preferably cheaper?)

I also know that the Windows programs using the sound card are better
than a terminal emulator and a TNC. Hi-ever, this is for backpacking
and a TNC with PDA are lots smaller and less power hungry than a lapop
PC.

Ken KC2JDY

Ken
(to reply via email
remove "zz" from address)

2449. Sub Contract

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-05 23:23:25 UTC
From: behnamd@sedgewall.co.uk
Message-ID: <56364d33.0211051523.5b9ff85c@posting.google.com>
Source record: 4873

Sedgewall are specialists in the design and manufacture of electronic sub system and modules for the telecommunications, defence and emergency services market.

The company has gained a wide knowledge in the field of sub-contract manufacture and assembly, from simple cable harnessing to equipment capable of sensing abnormalities in air down to 1ppm.

http://www.sedgewall.co.uk

2450. TM D700A (Mic-E format to $GPGGA conversion)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-06 03:46:26 UTC
From: naomanahmed@yahoo.com
Message-ID: <dcb2321a.0211051946.591f437f@posting.google.com>
Source record: 4874

I am using TM D700A and using it in Packet mode,
I am receiving GPS data of remote location from serial port on my pc
through built in TNC of TM D700A.
The data received is in Mic-E format ,I want to convert it back into
$GPGGA format,
Will any body tell me how to do,
Thanks a lot in advance.
Nauman.

2451. Re: Flexnet and Windows XP?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-06 10:09:51 UTC
From: Arjen Raateland <arjen.raateland@ymparisto.fi>
Message-ID: <3DC8EA6F.EE0235D2@ymparisto.fi>
Source record: 4875

Roger Barker wrote:
> WinPack will work with TF2.7b in host mode, but the continuous TF host
> mode polling loop is a severe stress test for a USB adapter!

I tried it yesterday and it worked with the adapter under XP, but as the
BBS station OH2RBI suddenly went off the air, I couldn't test it any
further.

> Why not use AGWPE? It works fine with TF2.7b in KISS mode. You can then
> use WinPack with it, or several other packet programs.

I remember KISS mode always getting a bad press, so I didn't regard it
as a serious possibility and AGWPE is also something I tried in earlier
years and ditched because it didn't work too well in my setup at the
time (WIN95, TNC, TF2.7b).

I also tried NBF with the TNC running TF2.7b (hostmode) and it did not
work with my USB-serial adapter. This is the application I've been using
for many years now with Flexnet. Under XP neither works, at least not
over the adapter.

PAXON, which is all new to me, seems to work fine over the adapter with
TF2.7b, but it doesn't seem to provide the functionality I was looking
for (which WinPack and NBF have). It's just a terminal program and has
no provision for storing messages etc.

So, next I'll download AGWPE.

It seems some programs don't handle the serial port like it should be
handled, otherwise they would work with the adapter. I know some
programs work with it, so there is a way to do it right.
Or am I wrong here?
The only programming I do nowadays is in SAS and there one doesn't need
to handle serial ports. I should probably be thankful for that ;-)

--
Arjen Raateland
OH2ZAZ

Finnish Environment Institute SYKE
Research Dept.
SAS Support
phone +358 9 4030 0350

2452. Re: Flexnet and Windows XP?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-06 10:44:51 UTC
From: Roger Barker <roger@peaksys.co.uk>
Message-ID: <yyefyXAjKPy9Ewpc@peaksys.co.uk>
Source record: 4876

In article <3DC8EA6F.EE0235D2@ymparisto.fi>, Arjen Raateland
<arjen.raateland@ymparisto.fi> writes

>So, next I'll download AGWPE.

If you configure it correctly, which is pretty easy if you're using a
TNC, then it should work fine with your TF2.7b.

>It seems some programs don't handle the serial port like it should be
>handled, otherwise they would work with the adapter. I know some
>programs work with it, so there is a way to do it right.
>Or am I wrong here?

If a Windows program accesses a COM port via the Windows API, then it
should have no problem with a properly functional USB adapter. If it
handles it some other way, then it may well have problems.

Also, USB adapters tend to be buggy devices. The Belkin F5U103 is the
best I have found, but when I have tested it with TF host mode, I
occasionally get dropped characters if the PC is busy, and then the
program has to resync.

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

2453. Re: PSK31 TNC's?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-06 21:54:18 UTC
From: James Nipper <jnipper@nospam.fdn.com>
Message-ID: <acgy9.50413$842.17680@news1.fdn.com>
Source record: 4877

I believe the current model AEA tnc's include psk31. check on their website at

http://www.timewave.com/

73 de Jim K4PYT jnipper@fdn.com

2454. Re: Flexnet and Windows XP?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-07 09:06:41 UTC
From: Arjen Raateland <arjen.raateland@ymparisto.fi>
Message-ID: <3DCA2D21.98D191A2@ymparisto.fi>
Source record: 4878

> Also, USB adapters tend to be buggy devices. The Belkin F5U103 is the
> best I have found, but when I have tested it with TF host mode, I
> occasionally get dropped characters if the PC is busy, and then the
> program has to resync.

Thanks Roger.
I have been trying out PAXON with the TNC in HOSTMODE and I've seen no resyncing problems, yet. (There is an indicator for this.) This may be surprising, but I'm happy with it ;-)

I tried AGWPE last night, too, and put it to work with the TNC in SMACK/KISS. Worked, but I had some crashes. Reminds me of earlier versions of AGWPE that I tried years ago.
The power saving setting may have caused the troubles I experienced with AGWPE after my notebook has gone into hibernating. I have changed the power saving profile now.

BUT, unfortunately my local BBS OH2RBI has suddenly gone off the air. It'll be back, I suppose. It has been off the air before without a warning and it has always come back after a while.
However for that reason there isn't much traffic going on just now.

73,
--
Arjen Raateland
OH2ZAZ

2455. Re: Flexnet and Windows XP?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-07 09:33:33 UTC
From: Roger Barker <roger@peaksys.co.uk>
Message-ID: <3+NeBfAtNjy9EwJS@peaksys.co.uk>
Source record: 4879

In article <3DCA2D21.98D191A2@ymparisto.fi>, Arjen Raateland
<arjen.raateland@ymparisto.fi> writes
>> Also, USB adapters tend to be buggy devices. The Belkin F5U103 is the
>> best I have found, but when I have tested it with TF host mode, I
>> occasionally get dropped characters if the PC is busy, and then the
>> program has to resync.
>
>Thanks Roger.
>I have been trying out PAXON with the TNC in HOSTMODE and I've seen no
>resyncing problems, yet. (There is an indicator for this.) This may be
>surprising, but I'm happy with it ;-)

I find I got resync problems with the USB adapter when the PC is very
busy doing something else, for example compiling a program, but I do not
get the same problem with a "normal" COM port.

>I tried AGWPE last night, too, and put it to work with the TNC in
>SMACK/KISS. Worked, but I had some crashes. Reminds me of earlier
>versions of AGWPE that I tried years ago.

I run AGWPE 24/7 with three TNCs, without any problem, and I know lots
of other hams also run it for long periods without problems.

>The power saving setting may have caused the troubles I experienced with
>AGWPE after my notebook has gone into hibernating.

Yes, that sounds like it could be the cause of your troubles.

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

2456. TrueTTY as KISS-TNC emulator - testers are welcome!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-07 10:51:48 UTC
From: Sergei Podstrigailo <amx2@dxsoft.com>
Message-ID: <aqdgk4$91f6t$1@ID-52759.news.dfncis.de>
Source record: 4880

Hello, All!

Newest beta- version of my TrueTTY sound card software can work as KISS-TNC
emulator. I am very interesting in beta-tester reports.

You can get TrueTTY 1.95b from
http://www.dxsoft.com/truettyb.zip or
http://www.hamport.com/truettyb.zip

WBR,
Sergei

Windows HAM radio software at http://www.dxsoft.com

2457. Re: PSK31 TNC's?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-07 11:57:30 UTC
From: cprstn54zz@att.net
Message-ID: <3dca5401.604786328@news-server.optonline.net>
Source record: 4881

On Wed, 6 Nov 2002 16:54:18 -0500, "James Nipper"
<jnipper@nospam.fdn.com> wrote:
>I believe the current model AEA tnc's include psk31. check on their
>website at

Maybe I'm misreading it, but it looks like the Timewave implementation
of PSK31 is via built-in PC sound card interface. You still need a PC
to encode and decode the audio.

I'm not sure what that means, other than they put in a couple of
isolators.

The ones I mentioned actually encode and decode PSK31: i.e. they take
an audio PSK31 signal from your radio and convert it to ASCII they
pump up the RS-232 cable, and vice versa.

Ken KC2JDY
Ken
(to reply via email
remove "zz" from address)

2458. you can make a difference read me

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-07 15:41:46 UTC
From: mcrosftva@aol.com
Message-ID: <20021107104146.17568.00003326@mb-cu.aol.com>
Source record: 4882

all4littlebear@yahoo.com

2459. Re: PSK31 TNC's?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-07 17:25:59 UTC
From: gswiebe@mb.sympatico.ca
Message-ID: <3dcaa08c.5771546@news.mts.net>
Source record: 4883

PSK does not use a TNC. The RX & TX audio from the radio are connected to the PC sound card. TX keying can be done using VOX. Some connect directly, others use a commercial or home-brew interface (recommended). Use your favorite search engine to do a search on psk, you's see many hits.

73 de Glenn...VE4GN

2460. Re: PSK31 TNC's?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-08 09:26:11 UTC
From: Markus L <uo9oew@lnubb.pbz>
Message-ID: <3dcb8316$0$229$4d4ebb8e@read-nat.news.nl.uu.net>
Source record: 4884

"Glenn" <gswiebe@mb.sympatico.ca> wrote in message
news:3dcaa08c.5771546@news.mts.net...
> PSK does not use a TNC. The RX & TX audio from the radio are connected
> to the PC sound card.

PSK31 is supported by the http://www.scs-ptc.com/ controllers.
A simple RS232 terminal is all you need to make it work.

73, Markus HB9BRJ

2461. required SNR for machine decoding of CW?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-08 17:20:05 UTC
From: Ken Wickwire <kwick@mitre.org>
Message-ID: <aqgro5$rf3$1@newslocal.mitre.org>
Source record: 4885

Anybody have an estimate of the SNR required for accurate machine-decoding of machine-sent CW?

I realize this will depend on the hardware and method, so a rough idea is sufficient.

dB in a 1-Hz noise bandwidth or dB in say a 500- or 3000-Hz BW are I suppose the standard ways of expressing these.
The former can be deduced from the latter I believe.

Tnx kwick@mitre.org

2462. Re: required SNR for machine decoding of CW?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-08 21:19:51 UTC
From: Joop van der Velden <pe1dna@amsat.org>
Message-ID: <VA.00000561.0d59ee47@amsat.org>
Source record: 4886

Ken Wickwire wrote:
> Anybody have an estimate of the SNR required for accurate
> machine-decoding of machine-sent CW?
>
> I realize this will depend on the hardware and method, so a rough
> idea is sufficient.
>
> dB in a 1-Hz noise bandwidth or dB in say a 500- or 3000-Hz BW are I
> suppose the standard ways of expressing these.
> The former can be deduced from the latter I believe.

You might want to read the paper that Ray W2RS has written on this subject. "The weak-signal capability of the human ear". You can find pdf versions via google. He did an interesting presentation on the subject on the AMSAT-UK colloquium some months ago.

--
Joop van der Velden
pe1dna@amsat.org

2463. Re: required SNR for machine decoding of CW?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-09 01:23:59 UTC
From: haynes@alumni.uark.edu
Message-ID: <PsZy9.1815$tW4.212677@newsread1.prod.itd.earthlink.net>
Source record: 4887

I don't know, but it must be known, because years ago they sent Morse
at high speed by radio, receiving on ink recorders for transcroption
by Morse operators at typewriters.

2464. Re: Flexnet and Windows XP?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-09 11:13:41 UTC
From: Jarkko Tuomi <first.last@hut.fi.invalid>
Message-ID: <aqiqmi$14m4m$1@midnight.cs.hut.fi>
Source record: 4888

"Roger Barker" <roger@peaksys.co.uk> wrote in message
news:yyefyXAjKPy9Ewpc@peaksys.co.uk...

> Also, USB adapters tend to be buggy devices. The Belkin F5U103 is the

This seems to be the case. I talked with Reinhold OH1NBF about this, and he made some tests last night with promising results.

The tests were run on two PCs, with Windows 2000 sp3 and XP sp1. The USB serial adapter was a Digi Edgeport/4, which has turned out to be the most reliable of the units he has tried. However, the drivers must be upgraded to at least version 2.15 for it to work well.

The following software combinations were tested on both platforms without any problems:

-NBF + TF2.7b in hostmode
-NBF + FlexNet32 + 6pack

It's very interesting why the operation of some USB serial adapters depends on the user mode software used. At least NBF uses just Win32 API asyncronous file routines and the DCB structure. It doesn't even rely on the rxchar-event, but uses a separate thread for deriving the read timing. This has turned out to be a very reliable solution especially when the cpu load is high.

--
Jarkko Tuomi, OH1KZN
http://www.iki.fi/jtuomi/

2465. Re: required SNR for machine decoding of CW?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-09 13:06:31 UTC
From: xpyttl <xpyttl_nospam@earthling.net>
Message-ID: <usq274rj3j2l63@corp.supernews.com>
Source record: 4889

I think that's one of those "it depends" questions. Folks have been playing with synchronous CW for years where DSP processing can decode CW that the ear can't even tell is there. Get away from the synchronous part, and it depends a lot on the technology and the speed.

If you are using some sort of tone detection in simple hardware, you need a MUCH better S/N than your ear does. But using a DSP, you certainly could get way down in the mud for low speeds. EMEers do it all the time and the recent LF tests used a similar scheme. For more practical speeds I imagine it would be a horse race between the DSP and a human.

..

"Jim Haynes" <haynes@alumni.uark.edu> wrote in message news:PsZy9.1815$tW4.212677@newsread1.prod.itd.earthlink.net...
> I don't know, but it must be known, because years ago they sent Morse
> at high speed by radio, receiving on ink recorders for transcroption
> by Morse operators at typewriters.

2466. FBB Forwarding partner needed

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-09 15:36:13 UTC
From: n2rhl1@yahoo.com
Message-ID: <7669d952.0211090736.653ae630@posting.google.com>
Source record: 4890

I.m looking to start up fbb packet in western New York and looking for a partner
so I can forward on to W2SEX.Interested?
ttyl de dave-n2rhl

2467. Old message file format

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-09 18:35:21 UTC
From: "Jesus A. Mora Marin" <jamoram@telefonica.net>
Message-ID: <aqjkac$a6eno$1@ID-168329.news.dfncis.de>
Source record: 4891

Hi!

I've found this in a web page:

```
--------
C64 @WW de:HA8XF 10.12.97 01:15 0 6426 Bytes
doctor-dx.BM+1/4
*** Bulletin-ID: 26068_HG8GL ***

Read: 17
Path:
DB0SIF!DB0AIS!DB0ZDF!DB0SEL!DB0WTS!DB0GOS!DB0END!DB0ACC!PI8DRS!PI8ZWL
Path:
!PI8APD!PI8WNO!PI8GCB!PI8MBQ!PI8VNW!PE0MAR!XE2EBC!KA6EYH!KO4KS!WB0TAX
Path: !HA3PG!HA5OB!HG8GL
Sent: 971209/1716Z @:HG8GL.HUN.EURO #:26068 [JN96WR] FBB5.15c
$:26068_HG8GL

From: HA8XF@HG8GL.HUN.EURO
To : C64@WW

{BM-2.3-C64}
{N=doctor-dx T=PRG L=3809 S=6563 P=1/4}
444F43544F522D4458A0502031A02034A036353633A0
"$"Ud"T0L021*%;= V HVu SU LD Vd_;="T15!])#8Su c!e V
NMenbJ/W/c>"p$d[4"[/MSuuM
!erpnNLrUS6XbLs>XJV#ML/V7WL/91c!V L"t#p*aP4V" #p.,@tcerdWt8_M" O
E"Bo:k!ejo*:!e
h?[r.b4ehlsSegX2HL =9H%"[rO.bee5lsec[pn#p5'Z.V5!#p(+,tcelrWt8e_u
9!9![rX.bel6ls
...
(lots of similar lines cut away)
...

flZOA=Qmckf5X(j6d7mMFeQ6mkdRA$EA],8r#`%+VJpbDGeMj"2DFS-W!K%T..0ISbo`9m5<(oR7
dDn
fM3VWmkSQ ;fFMS3.I=Tf
{EOF 453362}
---------
```

I guess it's some kind of archive of messages from some digipeater. I would like to recover the C64 file attached to the message, but have no info about the encoding and/or compression format used.
Can please anyone help me?

Thanks in advance,

Jesus, EA7HAC

2468. Packet - restauraci&#65533;n de un fichero

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-09 19:33:29 UTC
From: "Jesus A. Mora Marin" <jamoram@telefonica.net>
Message-ID: <aqjnnc$apegu$1@ID-168329.news.dfncis.de>
Source record: 4892

Despu&#65533;s de buscar desesperadamente "Doctor DX", una vieja joya para Commodore 64, me he encontrado una serie de ficheros, en lo que parece el archivo de mensajes de un digipeater (DB0SIF). El formato de los mensaje es como sigue:

```
--------
C64 @WW de:HA8XF 10.12.97 01:15 0 6426 Bytes
doctor-dx.BM+1/4
*** Bulletin-ID: 26068_HG8GL ***

Read: 17
Path:
DB0SIF!DB0AIS!DB0ZDF!DB0SEL!DB0WTS!DB0GOS!DB0END!DB0ACC!PI8DRS!PI8ZWL
Path:
!PI8APD!PI8WNO!PI8GCB!PI8MBQ!PI8VNW!PE0MAR!XE2EBC!KA6EYH!KO4KS!WB0TAX
Path: !HA3PG!HA5OB!HG8GL
Sent: 971209/1716Z @:HG8GL.HUN.EURO #:26068 [JN96WR] FBB5.15c
$:26068_HG8GL

From: HA8XF@HG8GL.HUN.EURO
To : C64@WW

{BM-2.3-C64}
{N=doctor-dx T=PRG L=3809 S=6563 P=1/4}
444F43544F522D4458A0502031A02034A036353633A0
"$"Ud"T0L021*%;= V HVu SU LD Vd_;="T15!])#8Su c!e V
NMenbJ/W/c>"p$d[4"[/MSuuM
!erpnNLrUS6XbLs>XJV#ML/V7WL/91c!V L"t#p*aP4V" #p.,@tcerdWt8_M" O
E"Bo:k!ejo*:!e
h?[r.b4ehlsSegX2HL =9H%"[rO.bee5lsec[pn#p5'Z.V5!#p(+,tcelrWt8e_u
9!9![rX.bel6ls
...
(un mont&#65533;n de l&#65533;neas similares eliminadas)
...

flZOA=Qmckf5X(j6d7mMFeQ6mkdRA$EA],8r#`%+VJpbDGeMj"2DFS-W!K%T..0ISbo`9m5<(oR7
dDn
fM3VWmkSQ ;fFMS3.I=Tf
{EOF 453362}

---------
```

Parece que el fichero adjunto se encuentra codificado con un algoritmo similar a uuencode o a base64. Adem&#65533;s, casi seguro que se encuentra comprimido. Pero no tengo idea de los algoritmos concretos utilizados, o de si existe alguna utilidad que permita extraerlos y reconstruir el fichero

"doctor-dx.prg" original.

Alg&#65533;n colega ducho en estos temas podr&#65533;a echarme una mano?

Gracias de antemano,

Jesus, EA7HAC

2469. Re: Packet - restauraci&#65533;n de un fichero

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-09 19:36:14 UTC
From: "Jesus A. Mora Marin" <jamoram@telefonica.net>
Message-ID: <aqjnsj$anqua$1@ID-168329.news.dfncis.de>
Source record: 4893

Please ignore previous message. It was not intended to be sent to this forum.

Sorry for the inconvenience. 73,

Jesus, EA7HAC

2470. Re: Flexnet and Windows XP?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-09 23:34:14 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <WXgz9.1700$Ny3.1209963895@newssvr11.news.prodigy.com>
Source record: 4894

"Jarkko Tuomi" <first.last@hut.fi.invalid> wrote in message
news:aqiqmi$14m4m$1@midnight.cs.hut.fi...
>
> The following software combinations were tested on both platforms without
> any problems:
>
> -NBF + TF2.7b in hostmode
> -NBF + FlexNet32 + 6pack
>

I have gotten NBF to work with the Win95 version FlexNet, but no luck with
Flex32. Paxon works fine, but NBF tells me that Flexnet isn't there.

Charles, N5PVL

2471. Is anyone using Linpac? Soundmodem question?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-10 08:03:58 UTC
From: Bob Cameron <bob.cameron.remove@optusnet.com.au>
Message-ID: <ft3lqa.724.ln@p400bob.lse.com.au>
Source record: 4895
Cross-posted to: aus.radio.amateur.digital,rec.radio.amateur.digital.misc

Hi All

Just started with LinPac and are having a few probs.

Q1. Am I to assume that it looks at UI broadcasts from FBB BBS's to get a list of downloadable messages? This doesnt seem to be mentioned in docs.

Q2. Looking through the sourcecode I note a reference to the /var/ax25/ulistd directory. My install didnt create this.. Is this where the message lists go?

I am using Tom Sailers userspace soundmodem code. It works well *most* of the time but I wonder at its ability to demodulate noisy signals. I have regular voice contact with a station (2M) at around S1 and below. Easy to hear him but packet data not so. Is there anything special that needs doing in the "tuning" setup? I run the scope signal at a peak of around 80% full range. Is sound card freq error something that needs allowance for?

Cheers Bob VK2YQA

2472. Re: Flexnet and Windows XP?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-10 11:48:28 UTC
From: Jarkko Tuomi <jtuomi@vipunen.hut.fi>
Message-ID: <Pine.SOL.4.44.0211101347360.1523-100000@vipunen.hut.fi>
Source record: 4896

On Sat, 9 Nov 2002, charlesb wrote:

> I have gotten NBF to work with the Win95 version FlexNet, but no luck with
> Flex32. Paxon works fine, but NBF tells me that Flexnet isn't there.

Try adding the flex32-directory to the path. Now FlexNet even starts
automatically as you start NBF.

If even that fails, copy flxapi32.dll to the NBF directory.

--
Jarkko Tuomi, OH1KZN
http://www.iki.fi/jtuomi/

2473. Re: Flexnet and Windows XP?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-10 14:56:22 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <qsuz9.31$ZC5.48632883@newssvr11.news.prodigy.com>
Source record: 4897

Adding the FLEX32 to the PATH statement did the trick! Thanks!

Charles, N5PVL

"Jarkko Tuomi" <jtuomi@vipunen.hut.fi> wrote in message
news:Pine.SOL.4.44.0211101347360.1523-100000@vipunen.hut.fi...
> On Sat, 9 Nov 2002, charlesb wrote:
>
> > I have gotten NBF to work with the Win95 version FlexNet, but no luck
with
> > Flex32. Paxon works fine, but NBF tells me that Flexnet isn't there.
>
> Try adding the flex32-directory to the path. Now FlexNet even starts
> automatically as you start NBF.
>
> If even that fails, copy flxapi32.dll to the NBF directory.
>
>
> --
> Jarkko Tuomi, OH1KZN
> http://www.iki.fi/jtuomi/
>
>
>

2474. Q15A25 - Worth It? What am I missing?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-10 23:29:37 UTC
From: "J. Duffy Beischel" <jduffy@zoomtown.com>
Message-ID: <3DCEEBE1.8040109@zoomtown.com>
Source record: 4898

Maybe someone that loves this mode can tell me what I'm missing. Hard to tune in. Mode is wide as heck when most new modes are looking for narrow bandwidth. So exactly what is the benefit to this thing?

Thanks,

Duffy
www.wb8nut.com

2475. Re: Q15A25 - Worth It? What am I missing?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-11 01:25:54 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <CGDz9.162422$lK5.36651@news1.central.cox.net>
Source record: 4899

Do you have a link?

I did a google search and found nothing. What is it,
a 15 tone modem?

----- Original Message -----

> Maybe someone that loves this mode can tell me what I'm missing. Hard
> to tune in. Mode is wide as heck when most new modes are looking for
> narrow bandwidth. So exactly what is the benefit to this thing?

2476. Re: Q15A25 - Worth It? What am I missing?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-11 03:33:53 UTC
From: "J. Duffy Beischel" <jduffy@zoomtown.com>
Message-ID: <3DCF2521.1050906@zoomtown.com>
Source record: 4900

Here is the link

http://www.qsl.net/zl1bpu/Q15X25/Q15X25.html

Steve, K5OKC wrote:

>Do you have a link?
>
>I did a google search and found nothing. What is it,
>a 15 tone modem?
>
>----- Original Message -----
>
>
>
>>Maybe someone that loves this mode can tell me what I'm missing. Hard
>>to tune in. Mode is wide as heck when most new modes are looking for
>>narrow bandwidth. So exactly what is the benefit to this thing?
>>
>>
>
>
>
>

2477. Re: Q15X25, was Q15A25 - Worth It? What am I missing?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-11 04:48:12 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <gEGz9.164178$lK5.96277@news1.central.cox.net>
Source record: 4801

Oh, q15x25 that does bring in a few search records...

I suspect the intent is to transfer data at the maximum
speed allowed, and to do it without retries.

I haven't kept up with the technology, but is 15 tones
authorized? I guess anything's fun when it's new, which
might be the attraction.

"J. Duffy Beischel" <jduffy@zoomtown.com> wrote
> Here is the link
>
> http://www.qsl.net/zl1bpu/Q15X25/Q15X25.html
>
> Steve, K5OKC wrote:
>
> >Do you have a link?
> >
> >I did a google search and found nothing. What is it,
> >a 15 tone modem?
> >
> >----- Original Message -----
> >
> >
> >
> >>Maybe someone that loves this mode can tell me what I'm missing. Hard
> >>to tune in. Mode is wide as heck when most new modes are looking for
> >>narrow bandwidth. So exactly what is the benefit to this thing?

2478. Re: Flexnet and Windows XP?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-11 10:06:11 UTC
From: Arjen Raateland <arjen.raateland@ymparisto.fi>
Message-ID: <3DCF8113.EF902F40@ymparisto.fi>
Source record: 4802

charlesb wrote:
> I have gotten NBF to work with the Win95 version FlexNet, but no luck with
> Flex32. Paxon works fine, but NBF tells me that Flexnet isn't there.

Charles,

Until I very recently acquired a new notebook I had Windows 95, NBF,
Flexnet32 and the old TNC2c with 6PACK in it running fine for a long
time.
This seems to be contrary to your experience.

Before that I used the version of Flexnet that needs to be loaded in
AUTOEXEC.BAT. I changed to Flexnet32 as soon as I found out about it.
The documentation is pretty scant and I remember difficulties in getting
it to work at first. I found out that some DLL or another needed to be
put in the directory of the other programme (when considering NBF and
Flexnet32), but I'd have to look in the old notebook at home to find out
which file and where I put it.

My old notebook was a Tulip ml/sb with 32 Mb RAM and 133 MHz.

I have now been using NBF and AGWPE and Smack KISS mode on the TNC. It
works mostly, but maybe there is still a problem with it. It seemed like
NBF and AGWPE had stopped working this morning. After restarting NBF a
few times, AGWPE told me to restart the computer, too, which I did.
However, the station I was connected to seems to have 'vanished' during
the night, so maybe that caused the problem. It's hard for me to tell.

BTW, the USB serial adapter that Jarkko mentions is very expensive. Over
$200 with 4 ports. Mine came with the HP Omnibook (type MT-60?-?). The
driver I use is the latest from HP.

73,
--
Arjen Raateland
oh2zaz

2479. Re: Stop the extinction... 2036

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-11 17:18:33 UTC
From: MTV <mvolzRemoveTheseFourWords@houston.rr.com>
Message-ID: <3DCFE617.9DD01223@houston.rr.com>
Source record: 4803
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

And this has what to do with radio?

pawe@hotmail.com wrote:

> Please read this itll only take you a minute - it could be your local area next...!
> The corporations are at it again, this time focussing their attentions on a small part of the SW of England. A large international mining company claims to have found platinum in the UK and in their quest for money are going to extinquish at least 1 species from our planet. Butterflies, birds, small mammals, fish and even some plants are at risk from extinction if this corporate monster is not stopped.
>
> Please, please, please send as many emails as you can to register your views at info@mcleaninternationalmining.com - like i said, it could be your area next...
>
> Thanks
> Harry
> P.A.W.E
> yulvcnjhmkqwjrdnimflpqplwgyjuwvmjqsszwxpgsrprmsxtjwhkodcjntwgluwjyrxhjjphp

--
This mail checked and found to be free of any virus.

2480. Packet radio software for WINDOWS NT/2000/XP

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-11 17:22:57 UTC
From: g0mem <isembardbinladen@hotmail.com>
Message-ID: <4IRz9.45010$8P5.34628@news-binary.blueyonder.co.uk>
Source record: 4804

Hello there.

Does anyone know of a good packet radio program suitable for HF/VHF packet,
for Windows NT/2000/XP. One that will work via the soundblaster, with the
PTT either done via VOX or using the parallel or serial port.

The only program I have come accross that does software packet for windows
is AGWpacket, but that dont work under NT/2000/XP.

I have had a look at several ham web sites that list such programs, but they
always have busted links :-(

73 de GOMEM

2481. Re: Packet radio software for WINDOWS NT/2000/XP

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-11 18:04:02 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <miSz9.856$Nv1.816@news1.central.cox.net>
Source record: 4805

If you mean free, probably no. But there's some good products if
you are willing to part with money, there's www.mixw.net

Have you tried that, or are you only looking for free stuff?

"g0mem" <isembardbinladen@hotmail.com> wrote
>
> Does anyone know of a good packet radio program suitable for HF/VHF packet,
> for Windows NT/2000/XP. One that will work via the soundblaster, with the
> PTT either done via VOX or using the parallel or serial port.
>
> The only program I have come accross that does software packet for windows
> is AGWpacket, but that dont work under NT/2000/XP.

2482. Re: Packet radio software for WINDOWS NT/2000/XP

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-11 18:09:36 UTC
From: g0mem <isembardbinladen@hotmail.com>
Message-ID: <QnSz9.45465$8P5.42721@news-binary.blueyonder.co.uk>
Source record: 4806

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:miSz9.856$Nv1.816@news1.central.cox.net...
> If you mean free, probably no. But there's some good products if
> you are willing to part with money, there's www.mixw.net
>
> Have you tried that, or are you only looking for free stuff?
>

Im not worried commercial, shareware or free (but not Adware/Spyware).
Anyway thanx for the info.

73 de G0MEM

2483. Re: Packet radio software for WINDOWS NT/2000/XP

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-11 18:39:59 UTC
From: g0mem <isembardbinladen@hotmail.com>
Message-ID: <jQSz9.45562$8P5.22666@news-binary.blueyonder.co.uk>
Source record: 4807

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:miSz9.856$Nv1.816@news1.central.cox.net...
> If you mean free, probably no. But there's some good products if
> you are willing to part with money, there's www.mixw.net
>
> Have you tried that, or are you only looking for free stuff?
>

Thanks Steve.

The MixW software seems to be very suitable, and most definately worth
registering.

73 de G0MEM

2484. use sound card for ac voltmeter?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-11 19:07:21 UTC
From: "Charles T. Young" <ctyoung@mtu.edu>
Message-ID: <usvvv97jue1rc5@corp.supernews.com>
Source record: 4808

Hi:

I would like to be able to use my sound card as a digital ac voltmeter.
I would like to be able to measure ac volts at frequent intervals, and
save the results to a file. Does anyone know of any programs or any way to
do this?

Please reply by e-mail, because I don't read this newsgroup often.

Chuck

ctyoung@mtu.edu

2485. Re: PSK31 TNC's?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-11 22:57:01 UTC
From: Rob <noemail@pse.com>
Message-ID: <DoXz9.5267$md7.451151@news20.bellglobal.com>
Source record: 4811

Hi Ken

You are right! The KAM XL and the SCS PTC II line of TNC's are the ONLY TNC's that implement PSK31. I don't think you will find a TNC cheaper than a KAM XL.

(Don't be fooled! The Timewave PK232 TNC's do NOT support PSK31. But you can get a sound card interface that mounts inside the TNC for the sound card modes. But it is only a sound card interface. For portable use, it would be easier to bring with you a simple sound card interface than a PK232 with a sound card interface built in)

Rob

"Ken" <cprstn54zz@att.net> wrote in message
news:3dc83c50.467649734@news-server.optonline.net...
> I know the KAM XL and the SCS TNC's were all there was last year in
> the wy of TNC's that could handle PSK31; are there any more offerings
> ths year? (preferably cheaper?)
>
> I also know that the Windows programs using the sound card are better
> than a terminal emulator and a TNC. Hi-ever, this is for backpacking
> and a TNC with PDA are lots smaller and less power hungry than a lapop
> PC.
>
> Ken KC2JDY
>
> Ken
> (to reply via email
> remove "zz" from address)

2486. packet forward via 29.250FM 1200 baud

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-11 23:05:43 UTC
From: Spiros Xanthopoulos <sxanthop@internet.gr>
Message-ID: <aqpd4g$ij9$1@news.internet.gr>
Source record: 4809

Hello everyone,

My sysop here on a local bbs has started again an hf gateway on 29.250FM
1200 baud. We are searching for other bbs's to start using this gateway to
forward messages from/to other bbs.

If you want to do so, please contact my sysop to his ax.25 adress :
sv2rq@sv2rq.tsl.grc.eu
or to his e-mail: sv2rq@otenet.gr

I believe its still a very nice AMATEUR way to communicate...I believe that
we should not let it die, like some think...

Best 73's de SV2EVS

2487. Re: Packet radio software for WINDOWS NT/2000/XP

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-11 23:07:46 UTC
From: Spiros Xanthopoulos <sxanthop@internet.gr>
Message-ID: <aqpd8ainn1@news.internet.gr>
Source record: 4810

> > The only program I have come accross that does software packet for
windows
> > is AGWpacket, but that dont work under NT/2000/XP.
I dont agree with you my friend...

I am working with the AGW programs (BBS, Forward, Terminal) on Windows 2000
Pro and they are doing 100% ok. I dont work all programs on Windows XP, but
packet engine runs ok here also.

Have you tryied Winpack ?

Best 73's de SV2EVS

2488. Re: Packet radio software for WINDOWS NT/2000/XP

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-11 23:50:41 UTC
From: Rob <noemail@pse.com>
Message-ID: <EoXz9.5269$md7.451513@news20.bellglobal.com>
Source record: 4812

You may want to try the new 32 bit version of Flexnet for Windows and a soundcard. Apparently it works great under Win 95/98 but I do not know about NT/2000/XP

Rob

"g0mem" <isembardbinladen@hotmail.com> wrote in message news:4IRz9.45010$8P5.34628@news-binary.blueyonder.co.uk...
> Hello there.
>
> Does anyone know of a good packet radio program suitable for HF/VHF packet,
> for Windows NT/2000/XP. One that will work via the soundblaster, with the
> PTT either done via VOX or using the parallel or serial port.
>
> The only program I have come accross that does software packet for windows
> is AGWpacket, but that dont work under NT/2000/XP.
>
> I have had a look at several ham web sites that list such programs, but they
> always have busted links :-(
>
> 73 de GOMEM
>
>
>
>

2489. Re: Packet radio software for WINDOWS NT/2000/XP

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-11 23:59:07 UTC
From: g0mem <isembardbinladen@hotmail.com>
Message-ID: <vvXz9.47474$8P5.14039@news-binary.blueyonder.co.uk>
Source record: 4813

Looks like I found the program suitable for my needs. MixW seems to be a good alround program for everything, well for my uses Packet, SSTV and PSK.

Thanks for everyones help.

73s de G0MEM
Mike Turner

2490. Re: Stop the extinction... 2036

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-12 00:31:11 UTC
From: g0mem <isembardbinladen@hotmail.com>
Message-ID: <AZXz9.47539$8P5.43993@news-binary.blueyonder.co.uk>
Source record: 4814
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

Its SPAM, I live in SW england, and I never heard of such a thing.

73 de G0MEM

"MTV" <mvolzRemoveTheseFourWords@houston.rr.com> wrote in message
news:3DCFE617.9DD01223@houston.rr.com...
> And this has what to do with radio?
>
>
> pawe@hotmail.com wrote:
>
> > Please read this itll only take you a minute - it could be your local
area next...!
> > The corporations are at it again, this time focussing their attentions
on a small part of the SW of England. A large international mining company
claims to have found platinum in the UK and in their quest for money are
going to extinquish at least 1 species from our planet. Butterflies, birds,
small mammals, fish and even some plants are at risk from extinction if this
corporate monster is not stopped.
> >
> > Please, please, please send as many emails as you can to register your
views at info@mcleaninternationalmining.com - like i said, it could be your
area next...
> >
> > Thanks
> > Harry
> > P.A.W.E
> >
yulvcnjhmkqwjrdnimflpqplwgyjuwvmjqsszwxpgsrprmsxtjwhkodcjntwgluwjyrxhjjphp
>
> --
> This mail checked and found to be free of any virus.
>
>

2491. Hoka code3 Pro

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-12 11:22:14 UTC
From: "Barry Stone"
Message-ID: <dw5A9.340$VH2.27841@newsfep1-gui.server.ntli.net>
Source record: 4815

Hi
Does anyone have a copy of the Code 3 Gold Professional software. .
Or tell me where to find it My copy has been damaged
Thanks
Barry

2492. Re: I-Link details?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-12 13:12:27 UTC
From: Leo Bistmans <Leo.Bistmans@msbelux.be>
Message-ID: <%67A9.14001$8_4.2260236421@hestia.telenet-ops.be>
Source record: 4816

On Mon, 27 May 2002 16:01:55 +0200, Paul Peterson wrote:

> <hamish@cloud.net.au> wrote
>> Jim Hale <halebopp@cox.net> wrote:
>> > Linux is shit when it comes to sound cards. Most Linux people don't
>> > even know a sound card exists yet.
>>
>> You have no idea what you're talking about.
>
> I agree with Jim. In comparing performance of software, and ease of
> user interface, the windows software is much more advanced. The Linux
> software is still at the hacker level of sophistication. It may work,
> but is so devoid of interface, to be silly.
>
> To label a poster as having "no idea" and then failing to offer even a
> shred of example software tools, is just this side of hilarious. Are
> you a Linux soundcard demagogue, or just a rabble-rouser?

Maybe Hamish tried to tell that the more recent gnu/linux versions do very
well in supporting sound hardware. Even the obscure hardware in portable
computers can do audio. Yes, it has been different in the past.

Combined with your statement about user interfaces ... did you try a
recent gnu/linux distribution, or are you repeating an old mantra ?

73!

2493. Re: use sound card for ac voltmeter?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-12 14:09:30 UTC
From: g0mem <isembardbinladen@hotmail.com>
Message-ID: <NY7A9.50247$8P5.27412@news-binary.blueyonder.co.uk>
Source record: 4817

"Charles T. Young" <ctyoung@mtu.edu> wrote in message
news:usvvv97jue1rc5@corp.supernews.com...
> Hi:
>
> I would like to be able to use my sound card as a digital ac voltmeter.
> I would like to be able to measure ac volts at frequent intervals, and
> save the results to a file. Does anyone know of any programs or any way to
> do this?
>
> Please reply by e-mail, because I don't read this newsgroup often.
>
> Chuck
>
> ctyoung@mtu.edu
>

There seems to be plenty of software for this sort of thing on download.com
and shareware.com. Software for use as AC voltmeters, scopes and spectrum
analyzers. I don't know if any would be suitable for your needs.

I suppose once you found a suitable program you would have to calibrate it
against a known source, as each make of sound card is different.

73 de G0MEM

2494. Re: Stop the extinction... 2036

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-12 15:16:09 UTC
From: Dan/W4NTI <w4ntinospam@mindspring.com>
Message-ID: <aqr69l$db6$2@slb6.atl.mindspring.net>
Source record: 4818
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

Sounds to me like a demented greener is having a fit.

Dan/W4NTI

"MTV" <mvolzRemoveTheseFourWords@houston.rr.com> wrote in message
news:3DCFE617.9DD01223@houston.rr.com...
> And this has what to do with radio?
>
>
> pawe@hotmail.com wrote:
>
> > Please read this itll only take you a minute - it could be your local
area next...!
> > The corporations are at it again, this time focussing their attentions
on a small part of the SW of England. A large international mining company
claims to have found platinum in the UK and in their quest for money are
going to extinquish at least 1 species from our planet. Butterflies, birds,
small mammals, fish and even some plants are at risk from extinction if this
corporate monster is not stopped.
> >
> > Please, please, please send as many emails as you can to register your
views at info@mcleaninternationalmining.com - like i said, it could be your
area next...
> >
> > Thanks
> > Harry
> > P.A.W.E
> >
yulvcnjhmkqwjrdnimflpqplwgyjuwvmjqsszwxpgsrprmsxtjwhkodcjntwgluwjyrxhjjphp
>
> --
> This mail checked and found to be free of any virus.
>
>

2495. Re: Stop the extinction... 2036

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-12 15:40:47 UTC
From: KB9TMP <kb9tmp@juno.com>
Message-ID: <ut287s3qi2og68@corp.supernews.com>
Source record: 4819
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

"g0mem" <isembardbinladen@hotmail.com> wrote in message
news:AZXz9.47539$8P5.43993@news-binary.blueyonder.co.uk...
> Its SPAM, I live in SW england, and I never heard of such a thing.
>
> 73 de G0MEM

It may be SPAM but it is also a real story.
Check out the news release on their web site at:
http://www.mcleaninternationalmining.com/pages/press.htm

You really need to keep up with your local news! ;^)

--
'73' From KB9TMP
"The secret of life is honesty and fair dealing,
if you can fake that, you've got it made."
-Groucho Marx

2496. Re: Stop the extinction... 2036

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-12 15:54:29 UTC
From: g0mem <isembardbinladen@hotmail.com>
Message-ID: <CR9A9.50631$8P5.39555@news-binary.blueyonder.co.uk>
Source record: 4820
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

"KB9TMP" <kb9tmp@juno.com> wrote in message
news:ut287s3qi2og68@corp.supernews.com...
>
> "g0mem" <isembardbinladen@hotmail.com> wrote in message
> news:AZXz9.47539$8P5.43993@news-binary.blueyonder.co.uk...
> > Its SPAM, I live in SW england, and I never heard of such a thing.
> >
> > 73 de G0MEM
>
> It may be SPAM but it is also a real story.
> Check out the news release on their web site at:
> http://www.mcleaninternationalmining.com/pages/press.htm
>
> You really need to keep up with your local news! ;^)
>
> --
> '73' From KB9TMP
> "The secret of life is honesty and fair dealing,
> if you can fake that, you've got it made."
> -Groucho Marx
>
>
>

Ah the mining is going to be in Cornwall, which is 150 miles from me. I guess our local news is a bit too local!. It hasn't been on the national news either here.

Thanks for the info.

73 de G0MEM

2497. Re: Stop the extinction... 2036

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-12 16:18:04 UTC
From: Dan/W4NTI <w4ntinospam@mindspring.com>
Message-ID: <aqr9oi$b0j$1@slb6.atl.mindspring.net>
Source record: 4821
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

I consider these ecowackos terrorists. Remember those forest fires a few
months back out west? Why was that? Because those green wackos wouldn't
let anyone clean out the underbrush. And if ANY sort of clearing was to be
done to help break up fires they took em to court.

Got no use for them at all.

Dan/W4NTI

"KB9TMP" <kb9tmp@juno.com> wrote in message
news:ut287s3qi2og68@corp.supernews.com...
>
> "g0mem" <isembardbinladen@hotmail.com> wrote in message
> news:AZXz9.47539$8P5.43993@news-binary.blueyonder.co.uk...
> > Its SPAM, I live in SW england, and I never heard of such a thing.
> >
> > 73 de G0MEM
>
> It may be SPAM but it is also a real story.
> Check out the news release on their web site at:
> http://www.mcleaninternationalmining.com/pages/press.htm
>
> You really need to keep up with your local news! ;^)
>
> --
> '73' From KB9TMP
> "The secret of life is honesty and fair dealing,
> if you can fake that, you've got it made."
> -Groucho Marx
>
>
>

2498. [FS] Lowe HF225e & Datong audiofilter FL2

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-12 16:54:39 UTC
From: bombadil <bombadil@yucom.be>
Message-ID: <Xns92C4B6EB81E7Fbombadilyucombe@195.74.212.101>
Source record: 4822

http://cgi.befr.ebay.be/ws/eBayISAPI.dll?ViewItem&item=801157351
http://cgi.befr.ebay.be/ws/eBayISAPI.dll?ViewItem&item=801157547

2499. BIT-MACHINATOR for C64 [was: Old message file format]

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-12 18:38:11 UTC
From: "Jesus A. Mora Marin" <jamoram@telefonica.net>
Message-ID: <aqrhjf$cn6uc$1@ID-168329.news.dfncis.de>
Source record: 4823

Hi!

No more speculation about the encoding scheme used. Looking further at the same archive, things come clear.

The files were generated by BIT-MACHINATOR, a conversion program written exclusively for the C64 computer. The manuals for this stuff can be found in the archive. Also you can get the very dXXXXd thing, but it was sent encoded by itself! :(

So the question now is: anybody knows where can I find "BIT-MACHINATOR" for C64, or at least a technical description of its workings???

Hopelessly,

Jesus, EA7HAC

2500. IC-718 and RASCAL

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-13 00:46:18 UTC
From: nospam@dgcomputer.com
Message-ID: <ef4b2a7.0211121646.124cc2e1@posting.google.com>
Source record: 4824

I have an ICOM-718 HF xcvr. I just bought a RASCAL model R-IC13 to go with it. Hooked everything up, launched WinPSKse 2.2, configured the software and thought I was ready to go. Receive worked wonderfully, but I could not transmit.

WinPSK is configured to use RTS/DTR on com1, the cable is hooked to the com port, and the red LED on the RASCAL does light, but the IC-718 does not switch to TX mode. I checked with an ohm meter, the RASCAL is grounding pin 3 of the 13 pin din accessory plug. I also tried VOX mode without success.

The IC-718 does go to tx mode with the PTT switch or the key, so transmit is not inhibitted. I assume that I have a menu setting wrong, but I'll be darned if I can find it. I sent K4ABT an e-mail, he tried to help, but not much luck. Not his fault, he can't be familiar with every single radio out there.

I hope someone out there can rescue me!

Thans in advance,
Don, WA3KGT

2501. Re: IC-718 and RASCAL

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-13 01:48:19 UTC
From: xpyttl <xpyttl_nospam@earthling.net>
Message-ID: <ut3bupn6c5fu6e@corp.supernews.com>
Source record: 4826

Are you trying to do this on 2 meters maybe?

..

"Don Gregg" <nospam@dgcomputer.com> wrote in message
news:ef4b2a7.0211121646.124cc2e1@posting.google.com...
> I have an ICOM-718 HF xcvr. I just bought a RASCAL model R-IC13 to go
> with it. Hooked everything up, launched WinPSKse 2.2, configured the
> software and thought I was ready to go. Receive worked wonderfully,
> but I could not transmit.
>
> WinPSK is configured to use RTS/DTR on com1, the cable is hooked to
> the com port, and the red LED on the RASCAL does light, but the IC-718
> does not switch to TX mode. I checked with an ohm meter, the RASCAL
> is grounding pin 3 of the 13 pin din accessory plug. I also tried VOX
> mode without success.
>
> The IC-718 does go to tx mode with the PTT switch or the key, so
> transmit is not inhibitted. I assume that I have a menu setting
> wrong, but I'll be darned if I can find it. I sent K4ABT an e-mail,
> he tried to help, but not much luck. Not his fault, he can't be
> familiar with every single radio out there.
>
> I hope someone out there can rescue me!
>
> Thans in advance,
> Don, WA3KGT

2502. Re: I-Link details?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-13 01:50:22 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <ydiA9.2455$hb.1989@news1.central.cox.net>
Source record: 4825

"Leo Bistmans" <Leo.Bistmans@msbelux.be> wrote
> On Mon, 27 May 2002 16:01:55 +0200, Paul Peterson wrote:
>
> > <hamish@cloud.net.au> wrote
> >> Jim Hale <halebopp@cox.net> wrote:
> >> > Linux is shit when it comes to sound cards. Most Linux people don't
> >> > even know a sound card exists yet.
> >>
> >> You have no idea what you're talking about.
> >
> > I agree with Jim. In comparing performance of software, and ease of
> > user interface, the windows software is much more advanced. The Linux
> > software is still at the hacker level of sophistication. It may work,
> > but is so devoid of interface, to be silly.
> >
> > To label a poster as having "no idea" and then failing to offer even a
> > shred of example software tools, is just this side of hilarious. Are
> > you a Linux soundcard demagogue, or just a rabble-rouser?
>
> Maybe Hamish tried to tell that the more recent gnu/linux versions do very
> well in supporting sound hardware. Even the obscure hardware in portable
> computers can do audio. Yes, it has been different in the past.
>
> Combined with your statement about user interfaces ... did you try a
> recent gnu/linux distribution, or are you repeating an old mantra ?

Red Hat 7.5 soundcard software is still shit. Don't know about 8.0,
but I don't buy even number releases.

2503. Re: IC-718 and RASCAL

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-13 02:34:17 UTC
From: xpyttl <xpyttl_nospam@earthling.net>
Message-ID: <ut3ehn63rf6389@corp.supernews.com>
Source record: 4827

Duhhhh ... you said 718, sorry...

..

"xpyttl" <xpyttl_nospam@earthling.net> wrote in message
news:ut3bupn6c5fu6e@corp.supernews.com...
> Are you trying to do this on 2 meters maybe?
>
> ..
>
> "Don Gregg" <nospam@dgcomputer.com> wrote in message
> news:ef4b2a7.0211121646.124cc2e1@posting.google.com...
> > I have an ICOM-718 HF xcvr. I just bought a RASCAL model R-IC13 to go
> > with it. Hooked everything up, launched WinPSKse 2.2, configured the
> > software and thought I was ready to go. Receive worked wonderfully,
> > but I could not transmit.
> >
> > WinPSK is configured to use RTS/DTR on com1, the cable is hooked to
> > the com port, and the red LED on the RASCAL does light, but the IC-718
> > does not switch to TX mode. I checked with an ohm meter, the RASCAL
> > is grounding pin 3 of the 13 pin din accessory plug. I also tried VOX
> > mode without success.
> >
> > The IC-718 does go to tx mode with the PTT switch or the key, so
> > transmit is not inhibitted. I assume that I have a menu setting
> > wrong, but I'll be darned if I can find it. I sent K4ABT an e-mail,
> > he tried to help, but not much luck. Not his fault, he can't be
> > familiar with every single radio out there.
> >
> > I hope someone out there can rescue me!
> >
> > Thans in advance,
> > Don, WA3KGT
>
>

2504. Re: BIT-MACHINATOR for C64 [was: Old message file format]

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-13 08:15:00 UTC
From: g0lfp@hotmail.com
Message-ID: <memo.20021113081558.64665D@127.0.0.1>
Source record: 4828

In article <aqrhjf$cn6uc$1@ID-168329.news.dfncis.de>,
jamoram@telefonica.net (Jesus A. Mora Marin) wrote:

>
> Hi!
>
> No more speculation about the encoding scheme used. Looking further at
> the
> same archive, things come clear.
>
> The files were generated by BIT-MACHINATOR, a conversion program written
> exclusively for the C64 computer. The manuals for this stuff can be
> found in
> the archive. Also you can get the very dXXXXd thing, but it was sent
> encoded
> by itself! :(
>
> So the question now is: anybody knows where can I find "BIT-MACHINATOR"
> for
> C64, or at least a technical description of its workings???
>
> Hopelessly,
>
> Jesus, EA7HAC
>
>
>
>
>
>
I have emailed one of the authors on your behalf, and will report back
here if anything comes back.

regards - Steve
ICQ 8554470

2505. AEA DSP2232 tnc software

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-13 14:19:02 UTC
From: N7TKO <bertmc@premier1.net>
Message-ID: <ut4nqrmi6msh2c@corp.supernews.com>
Source record: 4829

Hello,

Just dusted off my aea dsp 2232 which has not been used since AO-13 burned up. It is an original from AEA and has PC Pakratt for windows version 2.0 software. I have looked and not found other software that will work and is better. I have been using the sound card and MixW for over 2 years, but would like to try Pactor and use the 2232 as long as I have it. I am also using windows XP. Thanks in advance.

Bert

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.417 / Virus Database: 233 - Release Date: 11/8/2002

2506. PSK 31 and SSTV Frequencies

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-13 17:49:53 UTC
From: Brian Lodahl <lodahl@kom.auc.dk>
Message-ID: <aqu3a9$7s4$1@sunsite.dk>
Source record: 4830

Hi,

could anyone please tell me the IARU Region 1 bandplan frequencies for PSK31
and SSTV.
I'm writing som text material to be published and i want to cross-check my
numbers to be absolutely sure that i get them right....

Thanks in advance,
73 de OZ2BRN,
Brian

2507. Re: BIT-MACHINATOR for C64 [was: Old message file format]

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-13 18:27:49 UTC
From: "Jesus A. Mora Marin" <jamoram@telefonica.net>
Message-ID: <aqu5bu$ddmnl$1@ID-168329.news.dfncis.de>
Source record: 4831

"Steve" <g0lfp@hotmail.com> wrote:

> I have emailed one of the authors on your behalf, and will report back
> here if anything comes back.
>
> regards - Steve
> ICQ 8554470

Many many thanks for your interest, Steve.
I have emailed 9A4GL too. Should I get any answer from this OM, I'll make
you know,

CUL,

Jesus, EA7HAC

2508. Re: Stop the extinction... 2036

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-13 20:33:35 UTC
From: Dana Myers K6JQ <k6jq@arrl.net>
Message-ID: <3dd2b4f6$1_1@news.teranews.com>
Source record: 4832

Dan/W4NTI wrote:

> I consider these ecowackos terrorists. Remember those forest fires a few
> months back out west? Why was that? Because those green wackos wouldn't
> let anyone clean out the underbrush. And if ANY sort of clearing was to be
> done to help break up fires they took em to court.
>
> Got no use for them at all.

Here I thought the extinction was that of packet radio...

(ducking and running for cover)

Dana

2509. Re: AEA DSP2232 tnc software

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-14 02:19:00 UTC
From: Rob <noemail@pse.com>
Message-ID: <EKDA9.11250$QD6.1127528@news20.bellglobal.com>
Source record: 4833

HI Bert,

I think you will find that the old PC Pakratt for Windows software is pretty good for the 2232. But if memory serves me right, there was a Y2K bug in version 2.0. If you set the clock back in your PC you should be okay.

There are some newer programs out there such as "PKTerm" and "XPWare". Search google for the links.

Unfortunately, most the PC software is commercialware. There are not too many free software programs for the older TNC's. I wonder whether it is worth spending the money considering that many hams are now using the so called "sound card" modes not directly supported by the 2232 such as PSK31, MT63, MFSk etc. To my knowledge, AEA/Timewave really have not put much effort into upgrading the firmware in the old AEA TNC's. I believe that they could add some of the new modes to their DSP modems but they have chosen not to do so. (After all wasn't that the selling point of the AEA DSP TNC's -- to be able to easily add new digital modes using DSP?) .

Yes, the 2232 does support Pactor 1 but many hams have already upgraded to Pactor II or Pactor III which is only available with SCS modems. If you really want to get back into Pactor, I think it would be a better idea to save your money and buy a SCS PTC IIe or II Pro. Pactor II/III are fantastic. Quite an improvement over Pactor 1. There is also a GREAT hostmode terminal program available for the SCS modems called Alpha. Best of all it is FREE!

Rob

"N7TKO" <bertmc@premier1.net> wrote in message
news:ut4nqrmi6msh2c@corp.supernews.com...
> Hello,
>
> Just dusted off my aea dsp 2232 which has not been used since AO-13 burned
> up. It is an original from AEA and has PC Pakratt for windows version
2.0
> software. I have looked and not found other software that will work and
is
> better. I have been using the sound card and MixW for over 2 years, but
> would like to try Pactor and use the 2232 as long as I have it. I am also
> using windows XP. Thanks in advance.
>
> Bert
>
>
> ---

> Outgoing mail is certified Virus Free.
> Checked by AVG anti-virus system (http://www.grisoft.com).
> Version: 6.0.417 / Virus Database: 233 - Release Date: 11/8/2002
>
>

2510. Re: Packet - restauraci&#65533;n de un fichero

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-14 22:27:19 UTC
From: g0mem <isembardbinladen@hotmail.com>
Message-ID: <frVA9.14952$5Q5.11461@news-binary.blueyonder.co.uk>
Source record: 4834

Probably meant for a Spanish amateur radio NG

73 de G0MEM

2511. Re: Old message file format

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-14 22:31:08 UTC
From: g0mem <isembardbinladen@hotmail.com>
Message-ID: <PuVA9.14992$5Q5.2229@news-binary.blueyonder.co.uk>
Source record: 4835

> I guess it's some kind of archive of messages from some digipeater. I
would
> like to recover the C64 file attached to the message, but have no info
about
> the encoding and/or compression format used.
> Can please anyone help me?
>
> Thanks in advance,
>
> Jesus, EA7HAC
>

Have you tried putting the file through one of the many C64 emulators??

73 de G0MEM

2512. Re: Old message file format

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-15 00:49:50 UTC
From: Cathryn Mataga <cathryn@junglevision.com>
Message-ID: <ar1k2p$6sk$1@news.laserlink.net>
Source record: 4836

g0mem wrote:
>>I guess it's some kind of archive of messages from some digipeater. I
>
> would
>
>>like to recover the C64 file attached to the message, but have no info
>
> about
>
>>the encoding and/or compression format used.
>>Can please anyone help me?
>>
>>Thanks in advance,
>>
>>Jesus, EA7HAC
>>
>
>
> Have you tried putting the file through one of the many C64 emulators??

Yeah, it might be self-executing. Put it on
a virtual C64 floppy and "load "filename",8,1" it.

2513. Re: Old message file format

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-15 01:09:23 UTC
From: g0mem <isembardbinladen@hotmail.com>
Message-ID: <aPXA9.15706$5Q5.12949@news-binary.blueyonder.co.uk>
Source record: 4837

> Yeah, it might be self-executing. Put it on
> a virtual C64 floppy and "load "filename",8,1" it.

Oh that brings back memories the user friendly C64 syntax, not!!
It was something equally horrible just to get a directory of what was on the disk, was it 'load "*",8,1' or something? And it was all 'pokes' and 'peeks' just to get the thing to do graphics and colour.
But it was very good for ham software.

73 de G0MEM

2514. can AEA's IDR-96 do 1200 baud packet?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-15 05:36:57 UTC
From: clonemaster <jond_post505@hotmail.com>
Message-ID: <ut92038qgo82ac@corp.supernews.com>
Source record: 4838

my AEA IDR-96 appears to be a pk-96 packet TNC with a built in UHF radio. The manual even calls it a pk-96 in places and says it's 1200/9600. I've searched the web and found references to both theories, that it's 9600 only or that it's both. If it can do 1200, how do I switch it to that mode? I haven't asked timewave, it's not even listed in the obsolete category. I think it's circa 1997. Thanks .

JD

2515. Re: can AEA's IDR-96 do 1200 baud packet?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-15 12:06:20 UTC
From: News Account <none@none.org>
Message-ID: <0r5B9.285$4s6.190895@news.alltel.net>
Source record: 4839

Try

Try ...

hbaud 1200
hbaud 9600

73's

Don Woodward
KD4APP
AMSAT 33535
http://kd4app.webhop.org

"clonemaster" <jond_post505@hotmail.com> wrote in message
news:ut92038qgo82ac@corp.supernews.com...
> my AEA IDR-96 appears to be a pk-96 packet TNC with a built in UHF radio.
> The manual even calls it a pk-96 in places and says it's 1200/9600. I've
> searched the web and found references to both theories, that it's 9600
only
> or that it's both. If it can do 1200, how do I switch it to that mode? I
> haven't asked timewave, it's not even listed in the obsolete category. I
> think it's circa 1997. Thanks .
>
> JD
>
>
>

2516. Re: AEA DSP2232 tnc software

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-15 14:05:43 UTC
From: N7TKO <bertmc@premier1.net>
Message-ID: <ut9vpphia7tf52@corp.supernews.com>
Source record: 4840

Thanks Rob,

I guess I really do not know what I want to do. I use to use the old 2232 a lot. I used it a lot on the digital satellites. I can tell some pretty harry stories about the tnc. I live about 40 miles from the original AEA in Lynwood, WA. Evan though they was the manufacture, they did not know any thing about how it works. There was one tec there that knew it pretty well. No one there worked sats and all except the tecs had a hell of a attitude about customer relations. I guess that is why they are no longer in business. I was in there so much, I was calling everyone by their 1st names. Thanks again and I will do some searching again,

Bert N7TKO

"N7TKO" <bertmc@premier1.net> wrote in message
news:ut4nqrmi6msh2c@corp.supernews.com...
> Hello,
>
> Just dusted off my aea dsp 2232 which has not been used since AO-13 burned
> up. It is an original from AEA and has PC Pakratt for windows version
2.0
> software. I have looked and not found other software that will work and
is
> better. I have been using the sound card and MixW for over 2 years, but
> would like to try Pactor and use the 2232 as long as I have it. I am also
> using windows XP. Thanks in advance.
>
> Bert
>
>
> ---
> Outgoing mail is certified Virus Free.
> Checked by AVG anti-virus system (http://www.grisoft.com).
> Version: 6.0.417 / Virus Database: 233 - Release Date: 11/8/2002
>
>

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.417 / Virus Database: 233 - Release Date: 11/8/2002

2517. Re: Old message file format

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-15 18:05:07 UTC
From: Vance Glasscock <swat_vance@yahoo.com>
Message-ID: <ar3d1s$8hbr$1@murrow.it.wsu.edu>
Source record: 4841

g0mem wrote:
>>Yeah, it might be self-executing. Put it on
>>a virtual C64 floppy and "load "filename",8,1" it.
>
>
> Oh that brings back memories the user friendly C64 syntax, not!!
> It was something equally horrible just to get a directory of what was on the
> disk, was it 'load "*",8,1' or something? And it was all 'pokes' and 'peeks'
> just to get the thing to do graphics and colour.
> But it was very good for ham software.
>
> 73 de G0MEM
>
>
load"*",8,1 loads the first file on the disk, load"$",8 folled by a LIST
will give you the contents of the disk. C64s had fun stuff with that
user port, my dad did some intersting halloween displays with either the
vic20 or the c64 running the show (hit mat, start synthesiszer, all that
kind of fun stuff).

KC7QHH

2518. Re: AEA DSP2232 tnc software

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-16 03:08:33 UTC
From: Rob <noemail@pse.com>
Message-ID: <6HiB9.17539$md7.1484833@news20.bellglobal.com>
Source record: 4842

Bert,

The 2232 is a great modem for satellite use (as well as the older digital modes such as RTTY and Pactor 1). It is still sought after by many satellite hams. You should still be able to get a good $ for it on Ebay if you ever decide to sell. If you decide to keep it, you may want to check out www.timewave.com and make sure you have the lastest AEA firmware for the 2232. (Timewave bought out AEA and still sells the latest firmware)

But if you really want to experience the the great new ERROR free ARQ modes of Pactor II and Pactor III, you will need to get a scs modem (see www.scs-ptc.com)

73
Rob

"N7TKO" <bertmc@premier1.net> wrote in message
news:ut9vpphia7tf52@corp.supernews.com...
> Thanks Rob,
>
> I guess I really do not know what I want to do. I use to use the old 2232
a
> lot. I used it a lot on the digital satellites. I can tell some pretty
harry
> stories about the tnc. I live about 40 miles from the original AEA in
> Lynwood, WA. Evan though they was the manufacture, they did not know any
> thing about how it works. There was one tec there that knew it pretty
well.
> No one there worked sats and all except the tecs had a hell of a attitude
> about customer relations. I guess that is why they are no longer in
> business. I was in there so much, I was calling everyone by their 1st
> names. Thanks again and I will do some searching again,
>
> Bert N7TKO
>
>
> "N7TKO" <bertmc@premier1.net> wrote in message
> news:ut4nqrmi6msh2c@corp.supernews.com...
> > Hello,
> >
> > Just dusted off my aea dsp 2232 which has not been used since AO-13
burned
> > up. It is an original from AEA and has PC Pakratt for windows version
> 2.0
> > software. I have looked and not found other software that will work

and
> is
> > better. I have been using the sound card and MixW for over 2 years, but
> > would like to try Pactor and use the 2232 as long as I have it. I am
also
> > using windows XP. Thanks in advance.
> >
> > Bert
> >
> >
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> > Checked by AVG anti-virus system (http://www.grisoft.com).
> > Version: 6.0.417 / Virus Database: 233 - Release Date: 11/8/2002
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> Outgoing mail is certified Virus Free.
> Checked by AVG anti-virus system (http://www.grisoft.com).
> Version: 6.0.417 / Virus Database: 233 - Release Date: 11/8/2002
>
>

2519. Re: BIT-MACHINATOR for C64 [was: Old message file format]

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-17 12:00:03 UTC
From: "Jesus A. Mora Marin" <jamoram@telefonica.net>
Message-ID: <ar804k$g0fjf$1@ID-168329.news.dfncis.de>
Source record: 4843

Hi, Steve:

Guess you know it, but I've just got an answer from Tihomir, 9A4GL. He tells me doesn't have this stuff for at least 10 years.
So I'll try to recover "Doctor DX" from an 14 years old tape I have.

Many thanks es 73,

Jesus, EA7HAC

2520. Re: BIT-MACHINATOR for C64 [was: Old message file format]

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-17 12:22:00 UTC
From: g0lfp@hotmail.com
Message-ID: <memo.20021117122239.36007C@127.0.0.1>
Source record: 4844

In article <ar804k$g0fjf$1@ID-168329.news.dfncis.de>,
jamoram@telefonica.net (Jesus A. Mora Marin) wrote:

> Hi, Steve:
>
> Guess you know it, but I've just got an answer from Tihomir, 9A4GL. He
> tells
> me doesn't have this stuff for at least 10 years.
> So I'll try to recover "Doctor DX" from an 14 years old tape I have.
>
> Many thanks es 73,
>
> Jesus, EA7HAC
>
>
>
>
yes I got the same mail.

Good luck,

regards - Steve
ICQ 8554470

2521. Rigblaster to QRP+

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-17 14:17:05 UTC
From: Paul Schreier <pgschreier@swissonline.ch>
Message-ID: <arm2o7$k5shc$1@ID-108138.news.dfncis.de>
Source record: 4776

Has anyone here successfully connected a Rigblaster to a QRP+, whose only input is the mic signals through a 1/8" stereo plug?

If so, tell me about your experiences and how you wired the interface cable.

Thanks,
Paul AA1MI / HB9DST

aa1mi @ xxxx arrl.net

2522. Sound card program that saves settings

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-17 16:31:10 UTC
From: N7TKO <bertmc@premier1.net>
Message-ID: <utfh2fflkufhe5@corp.supernews.com>
Source record: 4845

About 2 wks. ago I downloaded a small program from ??? that saves the sound card settings once you get everything setup. It worked well. I do not know the name of the program or where I got it.

Unfortunately I had another pc problem and trying to reinstall win. xp I ended up formatting and reinstalling everything. My latest backup did not have this program.

Does anyone know of this program? If so please let me know where I can download it. Thanks in advance.
Bert

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.419 / Virus Database: 235 - Release Date: 11/13/2002

2523. Re: radio shack digitraveler gps

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-17 16:51:51 UTC
From: Ben Smith <ben-smith@REMOVE.charter.IT.net>
Message-ID: <ar8hb00fgh@enews2.newsguy.com>
Source record: 4846

Here's a site that reviewed the Rat Shack GPS:

http://www.gpspassion.com/Hardware/Reviews/RSGPS.htm

I plan to pick one of these up today, for immediate use with my iPaq.
Eventually I want to use it for APRS, so I'll re-post if I get that working!

"R Moose" <nospam.rpmoose@cox.net> wrote in message
news:wv5u9.12048$lK5.4867@news1.central.cox.net...
> I'm pretty sure it isn't NMEA. In Delorme's XMAP handheld edition, the GPS
> options include NMEA, Earthmate, and RadioShack DigiTraveler. There might
> be a way to convert the data format to NMEA, similar to how people are
able
> to do that with an Earthmate.

2524. Seeking schematic of SignaLink

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-17 17:25:44 UTC
From: Uli <ulrich.henzler@df5sf-qrp.de>
Message-ID: <ar8jeohvn07$1@news.t-online.com>
Source record: 4847

Hello,
for repair I need the schematic of SignaLink SL-1 (SoundCard - Radio
Interface)
Thanks

2525. Re: Sound card program that saves settings

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-17 17:43:50 UTC
From: Graham Chaloner <graham.chaloner@btopenworld.com>
Message-ID: <ar8kgmabb1@venus.btinternet.com>
Source record: 4848

Try - http://www.msaxon.com/quickmix/

Graham
M0GWC

"N7TKO" <bertmc@premier1.net> wrote in message
news:utfh2fflkufhe5@corp.supernews.com...
> About 2 wks. ago I downloaded a small program from ??? that saves the
sound
> card settings once you get everything setup. It worked well. I do not
know
> the name of the program or where I got it.
>
> Unfortunately I had another pc problem and trying to reinstall win. xp I
> ended up formatting and reinstalling everything. My latest backup did not
> have this program.
>
> Does anyone know of this program? If so please let me know where I can
> download it. Thanks in advance.
> Bert
>
>
>
>
> ---
> Outgoing mail is certified Virus Free.
> Checked by AVG anti-virus system (http://www.grisoft.com).
> Version: 6.0.419 / Virus Database: 235 - Release Date: 11/13/2002
>
>

2526. Re: MURS gets boost

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-17 18:39:37 UTC
From: mryan <mryan301@yahoo.com>
Message-ID: <InRB9.31477$WL3.12141@rwcrnsc54>
Source record: 4849
Cross-posted to: alt.radio.family,rec.radio.amateur.policy,rec.radio.amateur.digital.misc,rec.radio.cb,rec.radio.amateur.misc

"HI" is the telegrafhic "laugh". The poster was either an Amateur Radio
operator (HAM) pointing out something as humurous, or it was a typo.
<nomoreass@joe.mamas> wrote in message
news:k2fatuo3cpuku84acbm8gl8oopeh3rk2ll@4ax.com...
> On Sat, 16 Nov 2002 03:51:21 +1100, Barry OGrady wrote:
> >On Tue, 4 Jun 2002 19:18:10 -0500, "Dan/W4NTI" wrote:
> >>Good point... hi.
> >
> >Hello.
>
> i dont think thats what he ment
>

2527. Re: Sound card program that saves settings

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-17 23:45:20 UTC
From: N7TKO <bertmc@premier1.net>
Message-ID: <utgaginkjvf49a@corp.supernews.com>
Source record: 4850

Thats it. Next time around I am not going to get old and forgetfull.
Thanks.

Bert

"N7TKO" <bertmc@premier1.net> wrote in message
news:utfh2fflkufhe5@corp.supernews.com...
> About 2 wks. ago I downloaded a small program from ??? that saves the
sound
> card settings once you get everything setup. It worked well. I do not
know
> the name of the program or where I got it.
>
> Unfortunately I had another pc problem and trying to reinstall win. xp I
> ended up formatting and reinstalling everything. My latest backup did not
> have this program.
>
> Does anyone know of this program? If so please let me know where I can
> download it. Thanks in advance.
> Bert
>
>
>
>
> ---
> Outgoing mail is certified Virus Free.
> Checked by AVG anti-virus system (http://www.grisoft.com).
> Version: 6.0.419 / Virus Database: 235 - Release Date: 11/13/2002
>
>

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.419 / Virus Database: 235 - Release Date: 11/13/2002

2528. FS: Yaesu FT-2 Auto, Packet station

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-18 03:52:45 UTC
From: Sidevalve <Sabbatai_zvi@hotmail.com>
Message-ID: <otogtuc76bal113u743bhjt2dal67f503j@4ax.com>
Source record: 4751
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.digital,rec.radio.amateur.digital.misc

FOR SALE:

Yaesu FT-2 Auto in near mint condition.
144 - 148 MHz Vintage FM.
Includes original manual. This rig sparkles.
Power output is 10 Watts or 1 Watt.
Dimensions: 210 mm wide X 95 mm High X 270 mm deep.
Made tough like a battleship. Lots of steel and chrome.
Has a nice tilt-bail and unusually nice chrome front.
Built in AC supply for 120V AC.

Present configuration includes crystals for -
145.07 Packet
145.09 Packet
146.52 Simplex
146.16/.76
146.34/.94
146.37/.97

Supplied with an interface cable made for running packet radio also.
Available for $55.00 plus shipping

E-mail me to arrange purchase or request pictures etc.

2529. Re: Sound card program that saves settings

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-18 06:20:20 UTC
From: N7TKO <bertmc@premier1.net>
Message-ID: <uth1l6m6i3d460@corp.supernews.com>
Source record: 4752

Hi Graham,

That is the one. Next time around I am not going to get old and forgetful.
Thanks,
Bert

"N7TKO" <bertmc@premier1.net> wrote in message
news:utfh2fflkufhe5@corp.supernews.com...
> About 2 wks. ago I downloaded a small program from ??? that saves the
sound
> card settings once you get everything setup. It worked well. I do not
know
> the name of the program or where I got it.
>
> Unfortunately I had another pc problem and trying to reinstall win. xp I
> ended up formatting and reinstalling everything. My latest backup did not
> have this program.
>
> Does anyone know of this program? If so please let me know where I can
> download it. Thanks in advance.
> Bert
>
>
>
>
> ---
> Outgoing mail is certified Virus Free.
> Checked by AVG anti-virus system (http://www.grisoft.com).
> Version: 6.0.419 / Virus Database: 235 - Release Date: 11/13/2002
>
>

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.419 / Virus Database: 235 - Release Date: 11/13/2002

2530. Re: can AEA's IDR-96 do 1200 baud packet?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-18 18:23:31 UTC
From: clonemaster <jond_post505@hotmail.com>
Message-ID: <utic214vmj2362@corp.supernews.com>
Source record: 4753

Thanks Don. that does seem to change the speed, but not the tones or modulation. hbaud is not in the manual so it probably wasn't meant to be used. I want to do standard 1200 baud stuff that's compatible with my other TNCs.

JD

> Try ...
>
> hbaud 1200
> hbaud 9600
>

2531. Re: use sound card for ac voltmeter?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-18 22:09:44 UTC
From: Marc <_laika#nospam#@yahoo.com>
Message-ID: <lydC9.4785$fY3.502627@newsread2.prod.itd.earthlink.net>
Source record: 4754

"Charles T. Young" <ctyoung@mtu.edu> wrote in message
news:usvvv97jue1rc5@corp.supernews.com...
> Hi:
>
> Please reply by e-mail, because I don't read this newsgroup often.

In otherwords, "I can't be bothered to wade through your drivel, but please help me for free" right?

Just read the newsgroup for a few days until you get your response. It's called "manners".

>
> Chuck
>
> ctyoung@mtu.edu
>

2532. MFJ 1278 to Icom handietalkie

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-19 03:40:31 UTC
From: w8crz <kc8ssg@yahoo.com>
Message-ID: <PoiC9.390$L3.2715@news>
Source record: 4755

I need the cap and resistor values for hooking up the tnc to my HT. I must be stupid but cant seem to find it in the book.

--
Rob W8CRZ

2533. Re: MFJ 1278 to Icom handietalkie

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-19 03:53:51 UTC
From: "Gary P. Fiber" <foo@bar.invalid>
Message-ID: <u9djtucjpnghbpqvk4dnldd4a41129eldf@4ax.com>
Source record: 4756

First make sure that are not already built into the MFJ1278. Sometimes
a jumper is changed to put in circuit the resistor and cap. If not
then choose a 4.7 K ohm resistor 1/4 watt and a 0.47 microfarad non
polorized cap. Should work fine. What Icom Handietalkie have you got ?

Gary K8IZ

On Tue, 19 Nov 2002 03:40:31 GMT, "w8crz" <kc8ssg@yahoo.com> wrote:

>I need the cap and resistor values for hooking up the tnc to my HT. I must
>be stupid but cant seem to find it in the book.

2534. AEA PK900 PACTOR

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-19 05:48:32 UTC
From: Chris Muir <cbmuir@xtra.co.nz>
Message-ID: <FgkC9.9408$8o1.1459786@news.xtra.co.nz>
Source record: 4757

Can anyone tell me whether the PK900 supported Pactor? If so, did it include proper memory ARQ (like the SCS controllers)?

ZL1BOE

2535. ICOM Up/Down remote function

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-19 05:59:34 UTC
From: steve <s.monsey@att.net>
Message-ID: <arkC9.20775$hK4.1869552@bgtnsc05-news.ops.worldnet.att.net>
Source record: 4758

Hi,
Does anyone know how the up/down fuction works on Icom handhelds? This is the simple up/down function of the memories that you woud do with the remote mic/speaker HM-75A. It works off of the ring sections of the 2.5mm and 3.5mm plugs, I think. A radio that would use this is the Icom IC-T2H or most of the handhelds.

Thanks!

Steve

2536. Re: can AEA's IDR-96 do 1200 baud packet?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-19 06:35:07 UTC
From: rgawtry@timewave.com
Message-ID: <utjmstggsdua1a@corp.supernews.com>
Source record: 4759

In article <ut92038qgo82ac@corp.supernews.com>, "clonemaster" <jond_post505@hotmail.com>
wrote:
>my AEA IDR-96 appears to be a pk-96 packet TNC with a built in UHF radio.
>The manual even calls it a pk-96 in places and says it's 1200/9600. I've
>searched the web and found references to both theories, that it's 9600 only
>or that it's both. If it can do 1200, how do I switch it to that mode? I
>haven't asked timewave, it's not even listed in the obsolete category. I
>think it's circa 1997. Thanks .
>
>JD
>
>
>
THe IDR-96 is a 9600 bps only TNC. It cannot do 1200 bps. Essentially, it is
a re-packaged PK-96 with the option of adding a 440 - 450 MHz Tekk transceiver
internally.

In 1996, AEA anticipated a viable commercial market at 450-470 MHz and a solid
ham market at 440 MHz. Unfortunately, 2 to 5 watts, crystal control, 9600 bps
only and $500.00 was not a winning combination (especially if you can't place
it on a nearby mountain). Having said that, the IDR-96 does work well if you
work within its specifications. We still sell it commercially.

Randy Gawtry, K0CBH
Timewave Technology Inc.

2537. Re: AEA PK900 PACTOR

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-19 06:51:16 UTC
From: rgawtry@timewave.com
Message-ID: <utjnr676cqqka5@corp.supernews.com>
Source record: 4760

In article <FgkC9.9408$8o1.1459786@news.xtra.co.nz>, "Chris Muir" <cbmuir@xtra.co.nz>
wrote:
>Can anyone tell me whether the PK900 supported Pactor? If so, did it include
>proper memory ARQ (like the SCS controllers)?
>
>ZL1BOE
>
>
The PK-900 supports Pactor and does have memory ARQ using an A/D converter.

Incidentally, we will be shipping a new sound card interface upgrade kit for
the PK-900 about Dec. 15 - 20.

Randy Gawtry, K0CBH
Timewave Technology Inc.

2538. Re: can AEA's IDR-96 do 1200 baud packet?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-19 19:25:43 UTC
From: clonemaster <jond_post505@hotmail.com>
Message-ID: <utl42ecgop6o67@corp.supernews.com>
Source record: 4761

thanks Randy. I'll keep hoping they open a local 440 9600 user packet node.
I'll use some other gear for my current project.

JD

"Randall R. Gawtry" <rgawtry@timewave.com> wrote in message
news:utjmstggsdua1a@corp.supernews.com...
> In article <ut92038qgo82ac@corp.supernews.com>, "clonemaster"
<jond_post505@hotmail.com> wrote:
> >my AEA IDR-96 appears to be a pk-96 packet TNC with a built in UHF radio.
> >The manual even calls it a pk-96 in places and says it's 1200/9600. I've
> >searched the web and found references to both theories, that it's 9600
only
> >or that it's both. If it can do 1200, how do I switch it to that mode? I
> >haven't asked timewave, it's not even listed in the obsolete category. I
> >think it's circa 1997. Thanks .
> >
> >JD
> >
> >
> >
> THe IDR-96 is a 9600 bps only TNC. It cannot do 1200 bps. Essentially, it
is
> a re-packaged PK-96 with the option of adding a 440 - 450 MHz Tekk
transceiver
> internally.
>
> In 1996, AEA anticipated a viable commercial market at 450-470 MHz and a
solid
> ham market at 440 MHz. Unfortunately, 2 to 5 watts, crystal control, 9600
bps
> only and $500.00 was not a winning combination (especially if you can't
place
> it on a nearby mountain). Having said that, the IDR-96 does work well if
you
> work within its specifications. We still sell it commercially.
>
> Randy Gawtry, K0CBH
> Timewave Technology Inc.

2539. Digimit: an all-bands digital SSB/CW HF transmitter

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-19 23:43:32 UTC
From: IV3NWV <nicolangelo.palermo@tin.it>
Message-ID: <3DDACC8F.9070606@tin.it>
Source record: 4762

Hi everybody.
I've completed the development of a new HF SSB/CW transmitter. It covers all the HF amateur bands, WARCs included, with a 10Wpep output power, and features an FPGA based SSB/CW digital synthesizer running at 90 MSPS. Something really new, hopefully.

Anyone interested on the subject will find some pictures, along with preliminary informations (still in italian language, sorry) and tech specs at the following address:

http://www.microtelecom.it/digimit

I'll provide detailed infos in English language asap.
Please, stay tuned.
Best 73s de nico, IV3NWV

2540. Re: Digimit: an all-bands digital SSB/CW HF transmitter

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-19 23:52:14 UTC
From: g0mem <isembardbinladen@hotmail.com>
Message-ID: <09AC9.15500$H4.3773@news-binary.blueyonder.co.uk>
Source record: 4763

"IV3NWV" <nicolangelo.palermo@tin.it> wrote in message
news:3DDACC8F.9070606@tin.it...
>
> Hi everybody.
> I've completed the development of a new HF SSB/CW transmitter. It covers
> all the HF amateur bands, WARCs included, with a 10Wpep output power,
> and features an FPGA based SSB/CW digital synthesizer running at 90
> MSPS. Something really new, hopefully.
>

Very nice, I'm impressed, are you going to market it??

73 de G0MEM

2541. Re: Digimit: an all-bands digital SSB/CW HF transmitter

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-20 00:54:40 UTC
From: IV3NWV <nicolangelo.palermo@tin.it>
Message-ID: <3DDADD3B.6020302@tin.it>
Source record: 4764

Yes, of course. Beeing Digimit just a transmitter, I really don't know
if it will encounter some favour among the amateur community, but I hope it.

Actually I'm working to complete some engineering details and the
project documentation (technical manuals, bill of materials and other
amazing things). Expect to see many news on the next days.

73 de nico, IV3NWV

g0mem wrote:
> "IV3NWV" <nicolangelo.palermo@tin.it> wrote in message
> news:3DDACC8F.9070606@tin.it...
>
>>Hi everybody.
>>I've completed the development of a new HF SSB/CW transmitter. It covers
>>all the HF amateur bands, WARCs included, with a 10Wpep output power,
>>and features an FPGA based SSB/CW digital synthesizer running at 90
>>MSPS. Something really new, hopefully.
>>
>
>
>
> Very nice, I'm impressed, are you going to market it??
>
> 73 de G0MEM
>
>

2542. Re: Digimit: an all-bands digital SSB/CW HF transmitter

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-20 07:51:27 UTC
From: Bob Cameron <bob.cameron.remove@optusnet.com.au>
Message-ID: <vtefra.bci.ln@p400bob.lse.com.au>
Source record: 4765

Very impressive Nico!

Cheers Bob VK2YQA

> http://www.microtelecom.it/digimit
>
> I'll provide detailed infos in English language asap.
> Please, stay tuned.
> Best 73s de nico, IV3NWV
>

2543. PK-232 all digital mode software for Win2K?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-20 19:46:35 UTC
From: Bill <willbryant@msn.com>
Message-ID: <vERC9.16733$8D.548403@twister.austin.rr.com>
Source record: 4766

Can anyone tell me where to get some "Ham Windows 2000" or similar software
that will drive my PK-232 for all digital modes on Windows 2000 (or NT40)?
Thanks in Advance ... Bill

2544. Re: PK-232 all digital mode software for Win2K?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-21 00:04:50 UTC
From: Joseph Fenn <jfenn@lava.net>
Message-ID: <Pine.BSI.4.44.0211201403490.2683-100000@malasada.lava.net>
Source record: 4767

Try a search on "winlink". Latest version 2.9 handles all
modes amtor/pactor/packet/g-tor etc.
Joe

****
* Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
****

On Wed, 20 Nov 2002, Bill wrote:

> Can anyone tell me where to get some "Ham Windows 2000" or similar software
> that will drive my PK-232 for all digital modes on Windows 2000 (or NT40)?
> Thanks in Advance ... Bill
>
>
>
>

2545. Re: Digimit: an all-bands digital SSB/CW HF transmitter

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-21 07:08:32 UTC
From: Uli DF5SF <uli@df5sf-qrp.de>
Message-ID: <uh1ptu86ktailh327ntkik93nakkc0j2tr@4ax.com>
Source record: 4768

Hi Nico
I posted your message to DL-QRP-AG mailing list.
Great Design !
73 de Uli, DF5SF

On Tue, 19 Nov 2002 23:43:32 GMT, IV3NWV <nicolangelo.palermo@tin.it>
wrote:

>
>Hi everybody.
>I've completed the development of a new HF SSB/CW transmitter. It covers
>all the HF amateur bands, WARCs included, with a 10Wpep output power,
>and features an FPGA based SSB/CW digital synthesizer running at 90
>MSPS. Something really new, hopefully.
>
>Anyone interested on the subject will find some pictures, along with
>preliminary informations (still in italian language, sorry) and tech
>specs at the following address:
>
>http://www.microtelecom.it/digimit
>
>I'll provide detailed infos in English language asap.
>Please, stay tuned.
>Best 73s de nico, IV3NWV

2546. Re: use sound card for ac voltmeter?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-21 10:55:54 UTC
From: IJ.McCrum@ulst.ac.uk
Message-ID: <3dd7bdc6.188473466@news.ntlworld.com>
Source record: 4769

On Tue, 12 Nov 2002 14:09:30 -0000, "g0mem"
<isembardbinladen@hotmail.com> wrote:

>
>"Charles T. Young" <ctyoung@mtu.edu> wrote in message
>news:usvvv97jue1rc5@corp.supernews.com...
>> Hi:
>>
>> I would like to be able to use my sound card as a digital ac voltmeter.
>> I would like to be able to measure ac volts at frequent intervals, and
>> save the results to a file. Does anyone know of any programs or any way to
>> do this?

One of my students characterised 3 or 4 soundcards, they all differ in
their frequency response, even with "tone control" levelled or turned
off and "mic AGC" I wouldn't be too sure of where the cards came from,
only one was a well known make. I don't have the graphs to hand but
there were not too bad at 1KHz. At 300 Hz performance was very
variable. Be careful to calibrate your own card!

We hacked together a circuit to measure DC by "modulating" a 1KHz tone
and this worked fine over a small range of volts.

Regards
Ian McCrum
MI5AFL

2547. Re: Digimit: an all-bands digital SSB/CW HF transmitter

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-21 21:24:41 UTC
From: IV3NWV <nicolangelo.palermo@tin.it>
Message-ID: <3DDD4F04.3050005@tin.it>
Source record: 4770

Many thanks, Uli.
I hope that the DL-QRP group will appreciate the effort.
Design concepts, schematic diagrams and more are coming soon...

73 de nico, IV3NWV

Uli DF5SF wrote:
> Hi Nico
> I posted your message to DL-QRP-AG mailing list.
> Great Design !
> 73 de Uli, DF5SF

2548. Re: Digimit: an all-bands digital SSB/CW HF transmitter

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-21 22:32:35 UTC
From: Uli DF5SF <uli@df5sf-qrp.de>
Message-ID: <0lnqtug5o7ihakik73j4arqa2tjraic8t8@4ax.com>
Source record: 4771

Well Nico, your concept is appreciated in the following discussion.
But the receiver is missed. Do you have any planning for a receiver
for this TX ?
On Thu, 21 Nov 2002 21:24:41 GMT, IV3NWV <nicolangelo.palermo@tin.it>
wrote:

>Many thanks, Uli.
>I hope that the DL-QRP group will appreciate the effort.
>Design concepts, schematic diagrams and more are coming soon...
>
>73 de nico, IV3NWV
>
>Uli DF5SF wrote:
>> Hi Nico
>> I posted your message to DL-QRP-AG mailing list.
>> Great Design !
>> 73 de Uli, DF5SF

2549. Re: Digimit: an all-bands digital SSB/CW HF transmitter

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-21 23:06:09 UTC
From: IV3NWV <nicolangelo.palermo@tin.it>
Message-ID: <3DDD66CC.4030404@tin.it>
Source record: 4772

Well,
digitally speaking, a receiver is more complex than a transmitter.
If in a transmitter a 60/70 db dynamic range is excellent, an HF
receiver requires something better, say 140 dB.
That's why I thought it was worth starting with a transmitter design.

The receiver... uhm. Let me toy some more time. We are still in 2002.
Today's monolithic ADCs are not as good as they should for direct
sampling communication receivers.

We need little stones to make big walls.
73 de nico, IV3NWV

Uli DF5SF wrote:
> Well Nico, your concept is appreciated in the following discussion.
> But the receiver is missed. Do you have any planning for a receiver
> for this TX ?
> On Thu, 21 Nov 2002 21:24:41 GMT, IV3NWV <nicolangelo.palermo@tin.it>
> wrote:

2550. Help windows98 driver for DX3215

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-22 08:42:57 UTC
From: TimJ <timjatarachdotnetdotau>
Message-ID: <3dddee3b$1@funnel.arach.net.au>
Source record: 4773

I'm on holiday in Australia, I have just bought a laptop which has windows 98 on it and I have my Kodak DX3215 digital camera with me, I cannot get win98 to work with it. I have the USB cable with me and it works fine on my brothers PC which has XP on it, windows 98 device manager lists it but it has a yellow exclamation mark against it. I have tried the Kodak website but not found any Win98 drivers for it. Does anyone know where I can download the windows98 drivers for it ? I have not got my installation cd with me, was not thinking about laptop until I came over here. Any help appreciated. I'm using my brothers PC at the moment so you can drop a reply to him or just leave a reply here and I will check back later.

Thanks

Adam.

2551. 9600 and 19.2 kb

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-22 13:49:28 UTC
From: "William H. O'Hara, III" <whoohara@yahoo.com>
Message-ID: <Xns92CE59BFE56D9AlphaCentauriAAAHAWK@65.100.3.61>
Source record: 4774

Hello everyone!

I'm a relatively new ham. I was intrigued
by the many aspects of the hobby. I'm really
keen on packet and other modes. I would
like to find out if anyone uses it for a
reasonable speed in the Massachusetts area.
I personally think 1200 baud is too slow
for any work. The hardware is out there
for cheap and faster modems with todays
technology. 9600 baud seems definitely
plausible in FM modulation. Is any one
doing it in Eastern Massachusetts?

I would also like to voice my opinion on
emergency communications. Does anyone
think packet would actually work in dire straits?
What happens when the digipeaters go down? Are
you going to do HF packet at 300 baud? The
slow speed has me nervous. I know people
that type faster than HF packet. It would
seem much faster. I got to get some answers
so please post some followups.

Bill
KB1IUB

2552. Re: 9600 and 19.2 kb

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-22 15:46:39 UTC
From: "Charles, N5PVL" <n5pvl@sbcglobal.net>
Message-ID: <zjsD9.3996$BV4.1591579848@newssvr12.news.prodigy.com>
Source record: 4775

Howdy, Bill!

The packet group in your area is: http://www.northeastflexnet.org/
Northeastern States FlexNet Network.

They have maps on the home page that show what's currently available and at what speed. The contact person for that group can be of a lot of help to you.

As far as speed goes, there is a lot of controversy about that. I will note here that the really big, successful packet radio emergency networks normally run 1.2kb access with 9.6kb links between the nodes. There are faster links here and there, but the bulk of the work is currently performed on links as I described above. These folks have a great record of service, so it appears that slow/medium speed links can be quite useful for emergency communications.

What you will discover about higher speeds than 9.6kb is that hams seldom go to the additional expense and trouble associated with using them. The equipment is out there, and it can be done at a fairly reasonable price, but not many hams go far beyond the "talking" stage with high-speed packet. It happens here and there, but not on what you would call a widespread basis.

If you are really good at understanding what makes a radio tick and have a service monitor on hand, high-speed packet is a snap. If you are not a radio guru, you will encounter more difficulty and will have to spend more money. Most hams are not ready for that, which goes far in explaining why high-speed packet is not more popular than it is.

The FlexNet network in your area has some high-speed links, but I do not know if they are accessible from your particular location. Ask the guys at Northeast FlexNet Networks, they'll know.

Additional information about packet radio and packet radio networks can be found at:

http://www.uspacket.net USPN Website.

Charles Brabham, N5PVL
webmaster@uspacket.net

"William H. O'Hara, III" <whoohara@yahoo.com> wrote in message
news:Xns92CE59BFE56D9AlphaCentauriAAAHAWK@65.100.3.61...
> Hello everyone!
>
> I'm a relatively new ham. I was intrigued
> by the many aspects of the hobby. I'm really

> keen on packet and other modes. I would
> like to find out if anyone uses it for a
> reasonable speed in the Massachusetts area.
> I personally think 1200 baud is too slow
> for any work. The hardware is out there
> for cheap and faster modems with todays
> technology. 9600 baud seems definitely
> plausible in FM modulation. Is any one
> doing it in Eastern Massachusetts?
>
> I would also like to voice my opinion on
> emergency communications. Does anyone
> think packet would actually work in dire straits?
> What happens when the digipeaters go down? Are
> you going to do HF packet at 300 baud? The
> slow speed has me nervous. I know people
> that type faster than HF packet. It would
> seem much faster. I got to get some answers
> so please post some followups.
>
> Bill
> KB1IUB

2553. Re: Digimit: an all-bands digital SSB/CW HF transmitter

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-22 21:46:36 UTC
From: dan@wolf.com
Message-ID: <6c3567b4.0211221346.65028b27@posting.google.com>
Source record: 4777

> http://www.microtelecom.it/digimit

Very impressive! Please be sure to let us know when you expect it to be available.

Dan Mahoney
AA6GF
dan@wolf.com

2554. Re: Comment - why would one want to??? (was Re: Request for Comment - New TNC design)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-23 03:39:53 UTC
From: Vin <n2ohh@yahooo.com>
Message-ID: <uttu3o2gi5453c@corp.supernews.com>
Source record: 4778
Cross-posted to: alt.ham-radio.packet,rec.radio.amateur.digital.misc,uk.radio.amateur

Gee I could see possably modifying the output of such a device to operate on a ham band and using it as the basis for a HIGH speed packet backbone!

2555. Re: 9600 and 19.2 kb

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-23 04:48:23 UTC
From: "William H. O'Hara, III" <whoohara@yahoo.com>
Message-ID: <Xns92CEF226A9103AlphaCentauriAAAHAWK@65.100.3.61>
Source record: 4779

Thanks for the links.

I'm intrigued by Flexnet. I see
that is very popular in Europe.
I was looking at a flexnet website
over there too. I just found this
much more cutting edge. I saw some
statements about AX.25 was not
compatible with TCP/IP. I thought
they were.

Is Flexnet compatiable with anything?
So I guess that I can going to have
to run flexnet. I will need another
modem and radio to do packet so
I can connect to any local packet nodes?

bill

2556. Re: Digimit: an all-bands digital SSB/CW HF transmitter

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-23 07:37:20 UTC
From: dc9fo@darc.de
Message-ID: <38f121a4.0211222337.1ab5df37@posting.google.com>
Source record: 4780

IV3NWV <nicolangelo.palermo@tin.it> wrote in message news:<3DDD66CC.4030404@tin.it>...
>
>
> The receiver... uhm. Let me toy some more time. We are still in 2002.
> Today's monolithic ADCs are not as good as they should for direct
> sampling communication receivers.
>
Hi Nico,,

in a german Ham-Magazin (Funk) has been a report that showed a digital RX
from 10kHz to 30MHz build by HB9CBU.
So he did just the other part first :-)
Unfortunately there is no Internet-Adress :-(
But you can find his email-address at qrz.com

73 Wolf DC9FO

2557. Re: Digimit: an all-bands digital SSB/CW HF transmitter

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-23 09:15:50 UTC
From: Uli DF5SF <uli@df5sf-qrp.de>
Message-ID: <9nhutus7p4983s7ra059bh5iq20h6hadea@4ax.com>
Source record: 4782

Hallo Wolf,
in welcher Ausgabe von Funk ?
Kï¿½nntest Du mir den Artikel in elektronischer Form zukommen lassen ?
73 de Uli, DF 5SF mailto:uli@df5sf-qrp.de

On 22 Nov 2002 23:37:20 -0800, dc9fo@darc.de (Wolfgang Hampe) wrote:

>IV3NWV <nicolangelo.palermo@tin.it> wrote in message news:<3DDD66CC.4030404@tin.it>...
>>
>>
>> The receiver... uhm. Let me toy some more time. We are still in 2002.
>> Today's monolithic ADCs are not as good as they should for direct
>> sampling communication receivers.
>>
>Hi Nico,,
>
>in a german Ham-Magazin (Funk) has been a report that showed a digital RX
>from 10kHz to 30MHz build by HB9CBU.
>So he did just the other part first :-)
>Unfortunately there is no Internet-Adress :-(
>But you can find his email-address at qrz.com
>
>73 Wolf DC9FO

2558. PK-232 vs Kam 98?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-23 10:13:17 UTC
From: Bill <willbryant@msn.com>
Message-ID: <1xID9.29697$8D.1032247@twister.austin.rr.com>
Source record: 4781

Is there an upgrade for the PK-232MBX to bring it to the level of the Kam98 functionality?

2559. Re: Digimit: an all-bands digital SSB/CW HF transmitter

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-23 10:20:39 UTC
From: hamish@cloud.net.au
Message-ID: <3ddf5677$0$18872$afc38c87@news.optusnet.com.au>
Source record: 4783

IV3NWV <nicolangelo.palermo@tin.it> wrote:
> Many thanks, Uli.
> I hope that the DL-QRP group will appreciate the effort.
> Design concepts, schematic diagrams and more are coming soon...

Will you be releasing the source code (VHDL or Verilog)?
This could be an interesting part of a software-defined radio system.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

2560. only a test, please delete

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-23 10:29:09 UTC
From: Uli DF5SF <uli@df5sf-qrp.de>
Message-ID: <e1mutu03cak5lgkdm3incqdb3iud1t66ho@4ax.com>
Source record: 4784

```
only a test please delete
73 de Uli, DF5SF
mailto: uli@df5sf-qrp.de http://www.df5sf-qrp.de
```

2561. Guts of an IC-45?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-23 18:49:59 UTC
From: hollandguy@aol.com
Message-ID: <20021123134959.05656.00000104@mb-df.aol.com>
Source record: 4785

Does anyone know where the backup battery is located in the Icom IC-45? The manual doesn't show where it is, and I can't spot it by taking the covers off.

Many thanks.
Max

2562. Re: 9600 and 19.2 kb

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-23 20:27:02 UTC
From: Cathryn Mataga <cathryn@junglevision.com>
Message-ID: <aros27$m6i$1@news.laserlink.net>
Source record: 4786

William H. O'Hara, III wrote:
> Thanks for the links.
>
> I'm intrigued by Flexnet. I see
> that is very popular in Europe.
> I was looking at a flexnet website
> over there too. I just found this
> much more cutting edge. I saw some
> statements about AX.25 was not
> compatible with TCP/IP. I thought
> they were.
>

Nah, nah, nah. You can run TCP/IP on top
of ax25. You can use either sv2agw(search for
this on the net to find it) for Windows, or
Linux or one of the (j/x/mf/whatever)nos programs
to do this.

Maybe Flexnet is better? Here in northern California,
we have a lot of inertia in the older AX25 stuff. A lot
of the sites are little z80 boxes on hilltops, I believe.
I'm not sure what the low power/low cost node options for
flexnet are.

> Is Flexnet compatiable with anything?
> So I guess that I can going to have
> to run flexnet. I will need another
> modem and radio to do packet so
> I can connect to any local packet nodes?
>
> bill

2563. Re: Digimit: an all-bands digital SSB/CW HF transmitter

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-23 23:12:13 UTC
From: IV3NWV <nicolangelo.palermo@tin.it>
Message-ID: <3DE00B39.20703@tin.it>
Source record: 4787

I would be glad to read it, even if I don't understand almost a single
word of German.

How good is HB9CBU's receiver? What about its blocking or third order
intermodulation dynamic range? Is it as good as a top class receiver?
Please, let me have a copy of that Funk magazine.
I wouldn't like to reinvent any wheel, or reel, SMD speaking ;-).

Tnx fer info and
warmest 73, de nico - IV3NWV

Wolfgang Hampe wrote:
> IV3NWV <nicolangelo.palermo@tin.it> wrote in message news:<3DDD66CC.4030404@tin.it>...
>
>>
>>The receiver... uhm. Let me toy some more time. We are still in 2002.
>>Today's monolithic ADCs are not as good as they should for direct
>>sampling communication receivers.
>>
>
> Hi Nico,,
>
> in a german Ham-Magazin (Funk) has been a report that showed a digital RX
> from 10kHz to 30MHz build by HB9CBU.
> So he did just the other part first :-)
> Unfortunately there is no Internet-Adress :-(
> But you can find his email-address at qrz.com
>
> 73 Wolf DC9F

2564. Re: 9600 and 19.2 kb

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-24 00:47:35 UTC
From: "William H. O'Hara, III" <whoohara@yahoo.com>
Message-ID: <Xns92CFC95492E56AlphaCentauriAAAHAWK@65.100.3.61>
Source record: 4788

:Maybe Flexnet is better? Here in northern California,
:we have a lot of inertia in the older AX25 stuff. A lot
:of the sites are little z80 boxes on hilltops, I believe.
:I'm not sure what the low power/low cost node options for
:flexnet are.

It seems not to be too inexpensive to me.
I figure the cost of a tower and antenna
and a shack to store it all at a remote
site would be expensive. $100 for an
old laptop is going to make a dent in
the budget. :)

Right now I want to connect to the nodes
out there. I've done a little packet and
connected to K1EA's dxcluster. What else
is out there? I went to my local club and
they have a packet node going. I'm going
to connect to it as soon as I have my own
packet setup.

bill
kb1IUB

2565. Re: 9600 and 19.2 kb

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-24 01:37:16 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <g3WD9.14491$ji1.10445@news1.central.cox.net>
Source record: 4789

I'll throw in a few cents here...

The question becomes: what would you do with the speed
if you had it?

That's always a tough one. Whatever speed you choose, the
users are apt to consume it, or worse, under-utilize it.

I did a link with another Ham (since deceased) where we set
up a JNOS link using PackeTwin cards. Alas, the PackeTwin
drivers or the hardware always seemed to lock-up after a few
hours, but we found that a 9600 baud circuit with 512 byte
packets, and ax.25 segmentation mode, was good enough that
we killed the Unix 2400 baud uucp dial-up link we had. If it
wasn't for the lock-up problems, that speed was good enough
to transfer huge FTP files.

But then he decided he wanted to use it as a netrom gateway,
which linked-in 2 meters. This dropped the throughput so low
as to make it boring, and I pretty much gave up and went back
to 1200 baud and 2 meters.

My own opinion, after watching it for hours, is that 4800 baud
is the ideal speed. That's what our police and fire departments
use, and there is so much data flying that I couldn't keep up with
all of it. It's far better than any "node" systems Hams have used
since the beginning of packet. I also think 4800 baud is a good
speed for voice codecs, with the advanced vocoder chips that
are out there now.

2566. Re: 9600 and 19.2 kb

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-24 06:01:19 UTC
From: "William H. O'Hara, III" <whoohara@yahoo.com>
Message-ID: <Xns92D0A61D63B5AlphaCentauriAAAHAWK@65.100.3.61>
Source record: 4790

> My own opinion, after watching it for hours, is that 4800 baud
> is the ideal speed. That's what our police and fire departments
> use, and there is so much data flying that I couldn't keep up with
> all of it. It's far better than any "node" systems Hams have used
> since the beginning of packet. I also think 4800 baud is a good
> speed for voice codecs, with the advanced vocoder chips that
> are out there now.

Say that your hometown of the USA is evacuated due to the
terroist strike at the nuke plant. All of the children
are sent to the host communities. 1200 Baud would not cut
sending list of children to the net control. Net control
would spend a long time waiting to figure out where every kid
was.

I'm also used to the internet and before its popularity. I
was using BBS's on dialup as well. I used to swear at the
14.4 modem. I will never go less than a 56 external and these
get me a mere 53 KB at best.

I was getting the impression that netrom was a fast protocol.
I'm not very familar with this, tho. You were doing 9600
on 70 cm?

Bill
KB1IUB

2567. Re: 9600 and 19.2 kb

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-24 07:19:51 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <r4%D9.17166$ji1.12929@news1.central.cox.net>
Source record: 4791

"William H. O'Hara, III" <whoohara@yahoo.com> wrote
> > My own opinion, after watching it for hours, is that 4800 baud
> > is the ideal speed.
>
> Say that your hometown of the USA is evacuated due to the
> terroist strike at the nuke plant.

I think FEMA should be responsible for that, and not volunteers.
I send over $30k to the Feds every year, so I expect them to
take care of it. I'm hoping their not sending it all to North Korea
to keep them in fuel oil and free nuclear power plants.

> I was getting the impression that netrom was a fast protocol.
> I'm not very familar with this, tho. You were doing 9600
> on 70 cm?

Yes, 441.925 half-duplex point-to-point. No, netrom was designed
for small packets and multiple connections. Both of which are the
enemy of speed. At the time I tried to get others interested in the
point-to-point idea, but there were too many people who were
highly invested in whatever they were doing with netrom and BBS
nodes. They thought every 2 meter frequency should be connected
to every other 2 meter frequency, and of course used a common
UHF frequency to do it. That was their fun, and who was I to
want to change it :-) I wrote an article for the club paper, but it
was rejected as too costly an idea, and no one would be interested.

Thus, when people say they want speed, I ask them, how much
are you willing to spend to set up your community. That is, you
will have to design and fund it yourself. But they can offer you
tower sites and advice after you get it all worked out.

2568. Re: 9600 and 19.2 kb

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-24 23:36:43 UTC
From: "William H. O'Hara, III" <whoohara@yahoo.com>
Message-ID: <Xns92D0BD51B4D60AlphaCentauriAAAHAWK@65.100.3.61>
Source record: 4792

>> terroist strike at the nuke plant.
>
> I think FEMA should be responsible for that, and not volunteers.
> I send over $30k to the Feds every year, so I expect them to

I laught about this. You seem to be right, but it doesn't seem
to be that way. The DOD is paying the freight for things as I
understand and not FEMA. As I gather FEMA is actually very limited.
The DOD is paying for EOCs and hams to organize communications.

2569. Re: 9600 and 19.2 kb

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-25 03:25:06 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <mKgE9.30542$hK4.2639293@bgtnsc05-news.ops.worldnet.att.net>
Source record: 4793

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:r4%D9.17166$ji1.12929@news1.central.cox.net...
>
> "William H. O'Hara, III" <whoohara@yahoo.com> wrote
> > > My own opinion, after watching it for hours, is that 4800 baud
> > > is the ideal speed.
> >
> > Say that your hometown of the USA is evacuated due to the
> > terroist strike at the nuke plant.
>
> I think FEMA should be responsible for that, and not volunteers.
> I send over $30k to the Feds every year, so I expect them to
> take care of it. I'm hoping their not sending it all to North Korea
> to keep them in fuel oil and free nuclear power plants.
>
> > I was getting the impression that netrom was a fast protocol.
> > I'm not very familar with this, tho. You were doing 9600
> > on 70 cm?
>
> Yes, 441.925 half-duplex point-to-point. No, netrom was designed
> for small packets and multiple connections. Both of which are the

But will run fine with large packets and large window.
e.g. window of 32 1024 byte packets.

> enemy of speed. At the time I tried to get others interested in the
> point-to-point idea, but there were too many people who were
> highly invested in whatever they were doing with netrom and BBS
> nodes. They thought every 2 meter frequency should be connected
> to every other 2 meter frequency, and of course used a common
> UHF frequency to do it. That was their fun, and who was I to
> want to change it :-) I wrote an article for the club paper, but it
> was rejected as too costly an idea, and no one would be interested.
>
> Thus, when people say they want speed, I ask them, how much
> are you willing to spend to set up your community. That is, you
> will have to design and fund it yourself. But they can offer you
> tower sites and advice after you get it all worked out.

--

... Hank

Chaos, panic, disorder...my work here is done.

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2570. Re: 9600 and 19.2 kb

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-25 10:00:25 UTC
From: "Charles, N5PVL" <n5pvl@sbcglobal.net>
Message-ID: <ZwmE9.2819$_a7.1042280486@newssvr30.news.prodigy.com>
Source record: 4794

"William H. O'Hara, III" <whoohara@yahoo.com> wrote in message
news:Xns92CEF226A9103AlphaCentauriAAAHAWK@65.100.3.61...
> Thanks for the links.
>
> I'm intrigued by Flexnet. I see
> that is very popular in Europe.
> I was looking at a flexnet website
> over there too. I just found this
> much more cutting edge. I saw some
> statements about AX.25 was not
> compatible with TCP/IP. I thought
> they were.

FlexNet is the most advanced packet radio software available to hams right now, custom designed to get the most possible utility from a ham radio digital link. It's designed specifically for use with radio, and you can really tell it when you experience the performance difference between FlexNet and the old-style stuff. (Net/Rom, TheNet, ROSE, FPAC, etc..) It just works better.

Some hams think of tcpip as being obnoxious over an AX25 link, because tcpip is a bit of a channel hog, but with FlexNet this is not as big a problem as it is with the old-style stuff. There are two major FlexNetworks, one in the northeastern U.S., and one in Europe. In both networks, amateur tcpip is quite popular and nobody appears to be complaining. This has brought amateur tcpip into mainstream packet again, where it belongs.

>
> Is Flexnet compatiable with anything?
> So I guess that I can going to have
> to run flexnet. I will need another
> modem and radio to do packet so
> I can connect to any local packet nodes?

FlexNet is advanced AX25. It's compatable with just about everything currently in use, and you do not have to have a FlexNet setup at home in order to be able to use FlexNet network. You will get better performance if you use FlexNet, but without it, you are still functional and can enjoy the network. Any old TNC and software should basically work.

There are soundcard packet versions of FlexNet for DOS, and just about any variety of Windows if you do not currently own a TNC.

The best setup though, IMHO, is a TNC2 (MFJ-1270c for example) with FlexNet's "6-Pack" EPROM image plugged in. This gives you bulletproof, high performance and it is easy to set up. Almost all FlexNet nodes in the U.S.

use "6-Pack" TNC's. I use it at home with Flex32 (the Windows version) and it is absolutely reliable.

Hope this is helpful!

Charles, N5PVL
webmaster@uspacket.net

2571. Re: 9600 and 19.2 kb

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-25 14:18:56 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <kjqE9.22415$ji1.13180@news1.central.cox.net>
Source record: 4795

"Charles, N5PVL" <n5pvl@sbcglobal.net> wrote
>
> FlexNet is the most advanced packet radio software available to hams right
> now, custom designed to get the most possible utility from a ham radio
> digital link.

It's kind of over-kill if you only have two or three people
to QSO with though. Lately I've been using UI-View
to chat, as there are more digipeaters on the APRS channel.

2572. Re: 9600 and 19.2 kb

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-25 23:07:28 UTC
From: Robin Gilks <robin@abmdata.co.uk>
Message-ID: <3faura.60u.ln@news.freeserve.net>
Source record: 4796

Hi William

Take a look at www.tvipug.org - we have a very good 9k6 modem and the new
Windows beast (IPRI = Internet Protocol Radio Interface) is now very close
to production. Expect to see something about the $50 mark early next year.

William H. O'Hara, III wrote:

> Hello everyone!
>
> I'm a relatively new ham. I was intrigued
> by the many aspects of the hobby. I'm really
> keen on packet and other modes. I would
> like to find out if anyone uses it for a
> reasonable speed in the Massachusetts area.
> I personally think 1200 baud is too slow
> for any work. The hardware is out there
> for cheap and faster modems with todays
> technology. 9600 baud seems definitely
> plausible in FM modulation. Is any one
> doing it in Eastern Massachusetts?
>
> I would also like to voice my opinion on
> emergency communications. Does anyone
> think packet would actually work in dire straits?
> What happens when the digipeaters go down? Are
> you going to do HF packet at 300 baud? The
> slow speed has me nervous. I know people
> that type faster than HF packet. It would
> seem much faster. I got to get some answers
> so please post some followups.
>
> Bill
> KB1IUB

--
Robin

Internet: g8ecj@abmdata.co.uk http://gb7ipd.dnsalias.net/
Anorak mode = Shack: (+44) 1628 533311 Fax: (+44) 8700 516573
Club pages (g4xyw modem etc) at http://www.tvipug.org

2573. Re: Digimit: an all-bands digital SSB/CW HF transmitter

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-26 00:15:31 UTC
From: IV3NWV <nicolangelo.palermo@tin.it>
Message-ID: <3DE2BD0E.4020906@tin.it>
Source record: 4797

I suppose I should release it.
And I'll do it if some cooperation will aggregate around SDRs.

73 de nico, IV3NWV

hamish@cloud.net.au wrote:
> IV3NWV <nicolangelo.palermo@tin.it> wrote:
>
>>Many thanks, Uli.
>>I hope that the DL-QRP group will appreciate the effort.
>>Design concepts, schematic diagrams and more are coming soon...
>
>
> Will you be releasing the source code (VHDL or Verilog)?
> This could be an interesting part of a software-defined radio system.
>
>
> Hamish

2574. Re: 9600 and 19.2 kb

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-26 14:37:45 UTC
From: "Charles, N5PVL" <n5pvl@sbcglobal.net>
Message-ID: <ZGLE9.3025$AM3.1238607918@newssvr30.news.prodigy.com>
Source record: 4798

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:kjqE9.22415$ji1.13180@news1.central.cox.net...
> "Charles, N5PVL" <n5pvl@sbcglobal.net> wrote
> >
> > FlexNet is the most advanced packet radio software available to hams
right
> > now, custom designed to get the most possible utility from a ham radio
> > digital link.
>
> It's kind of over-kill if you only have two or three people
> to QSO with though. Lately I've been using UI-View
> to chat, as there are more digipeaters on the APRS channel.
>

We have a group here in S. Texas that does the same thing, and are having fun with it. We have more APRS digis than packet nodes here too.

We tend to put our packet nodes up at 900 ft. so they be accessed throughout most of the lower Rio Grande Valley. Because of that, not many packet nodes are really necessary here. The land is as flat as a billiard table, and the ground water is salty. (Perfect ground) - So we get good coverage.

APRS is a different thing. I've noticed that the APRS digis here tend to be 100-400 ft. up, and there are a lot more of them. We have our APRS system tied in to the NWS bunker in Brownsville. In the old TexNet days, we had regular packet tied into the NWS center too, but that was shut down back in the 90's, when TexNet started to go away.

Don't you guys still have a good ROSE/FPAC network in your neighborhood? I always liked that network better than TexNet. It was faster, and could do more.

Charles, N5PVL

2575. Re: 9600 and 19.2 kb

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-26 22:55:31 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <DZSE9.30605$ji1.10372@news1.central.cox.net>
Source record: 4799

"Charles, N5PVL" <n5pvl@sbcglobal.net> wrote
>
> Don't you guys still have a good ROSE/FPAC network in your neighborhood? I
> always liked that network better than TexNet. It was faster, and could do
> more.

I don't think so. The closest rose node would be down in
Pauls Valley, but I'm sure all that has gane away. It'd be too
far from where I am, and over the hill.

2576. Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-27 06:48:34 UTC
From: wej3715@scully.tamu.edu
Message-ID: <as1ps2$3d1$1@news.tamu.edu>
Source record: 4800

Legally, ham operators aren't allowed to encrypt the
data they transmit over amateur wavelengths, if I
understand it correctly.

I'm curious about what happens if you want to connect
to a machine that only allows encrypted connections
such as ssh or a VPN.

I'm thinking of getting my license for the purpose of
digital communications. (I've never had any interest
in seeing if I can talk to someone in every country
or anything like that.)

But as a grad student at Texas A&M (one of the oldest
at the moment, I suppose) I would like to be able to
connect to A&M via the university's VPN service. But
that would encrypt all communications over the link.

What's the status on that? Are there any exceptions
for cases when you really can't get around it?

Eric Johnson

2577. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-27 09:58:21 UTC
From: Ham-in-a-can <I.B.Ondaily@on.the.air.con>
Message-ID: <as26og$m18$1@news.chatlink.com>
Source record: 4702

Two issue exist here:

1. Encryption of data
2. Commercial use

Issue 1 is clear cut all traffic on the Ham Bands has to be plain view, this is a violation.
Issue 2 is interpretive, judging how Mr. Hollowingsworth (FCC Lawyer and Chief Enforcer of Regs in case you did not know) is issuing violation notices
lately, he would probably issue one on this and then review. College communication after all is not for the public good but for the good of one person.

Just food for thought

"wej3715" <wej3715@scully.tamu.edu> wrote in message news:as1ps2$3d1$1@news.tamu.edu...
> Legally, ham operators aren't allowed to encrypt the
> data they transmit over amateur wavelengths, if I
> understand it correctly.
>
> I'm curious about what happens if you want to connect
> to a machine that only allows encrypted connections
> such as ssh or a VPN.
>
> I'm thinking of getting my license for the purpose of
> digital communications. (I've never had any interest
> in seeing if I can talk to someone in every country
> or anything like that.)
>
> But as a grad student at Texas A&M (one of the oldest
> at the moment, I suppose) I would like to be able to
> connect to A&M via the university's VPN service. But
> that would encrypt all communications over the link.
>
> What's the status on that? Are there any exceptions
> for cases when you really can't get around it?
>
> Eric Johnson

2578. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-27 10:19:05 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <t_0F9.34956$ji1.5025@news1.central.cox.net>
Source record: 4701

"wej3715" <wej3715@scully.tamu.edu> wrote
> Legally, ham operators aren't allowed to encrypt the
> data they transmit over amateur wavelengths, if I
> understand it correctly.

Correct.

> I'm curious about what happens if you want to connect
> to a machine that only allows encrypted connections
> such as ssh or a VPN.

You would have to use a Part-15 device, such as a
spread spectrum wireless card. The secure link would
be prohibited in the Part-97 ham bands.

Not to mention, the school probably would consider it
outside the legal use of their network.

> What's the status on that? Are there any exceptions
> for cases when you really can't get around it?

No exceptions, can't get around it. Amateur Radio is
strictly a hobby, and anything that would make it into a
viable business utility, or a way of selling services, would
be outside the scope of permissible communications.

What you could probably do, is use Amateur Radio
as a component of your graduate studies. Possibly an RF
link for data communications (not encrypted), data logging,
etc.

2579. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-27 11:16:58 UTC
From: wej3715@scully.tamu.edu
Message-ID: <as29ja$g4n$1@news.tamu.edu>
Source record: 4703

Ham-in-a-can (I.B.Ondaily@on.the.air.con) wrote:
: Two issue exist here:
:
: 1. Encryption of data
: 2. Commercial use
:
: Issue 1 is clear cut all traffic on the Ham Bands has to be plain view, this
: is a violation.
: Issue 2 is interpretive, judging how Mr. Hollowingsworth (FCC Lawyer and
: Chief Enforcer of Regs in case you did not know) is issuing violation
: notices
: lately, he would probably issue one on this and then review. College
: communication after all is not for the public good but for the good of one
: person.

You mean that accessing a research journal while working on your
PhD is classified as "commercial use"?

I never would have expected that.

Eric Johnson

2580. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-27 11:36:31 UTC
From: wej3715@scully.tamu.edu
Message-ID: <as2anvhrv1@news.tamu.edu>
Source record: 4704

Steve, K5OKC (k5okc@nojunk.cox.net) wrote:
: Not to mention, the school probably would consider it
: outside the legal use of their network.

There is a fairly wide leeway for students. You obviously
can't use the school's network for commercial purposes.

But because of security concerns, unencrypted connections
are frowned upon. You can use telnet but you must use a
set of one time passwords. And there are very few computers
you can access via telnet from outside the firewall.

To go through the firewall and have regular access, you have
to use VPN and all that traffic is encrypted.

Eric Johnson

2581. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-27 12:11:01 UTC
From: "Charles, N5PVL" <n5pvl@sbcglobal.net>
Message-ID: <pD2F9.24$la2.51779724@newssvr12.news.prodigy.com>
Source record: 4705

>
> You mean that accessing a research journal while working on your
> PhD is classified as "commercial use"?
>
> I never would have expected that.
>
> Eric Johnson

The high-schools are turning out way to many semi-literate people into the colleges. The point about encyrption kind of "whizzed right over his head".

The guy is looking for loopholes, is dissapointed that he didn't get one. Just the kind of guy we need in Ham Radio, right?

He'd be a real ASSet to the hobby, I'm sure.

Charles, N5PVL

2582. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-27 13:22:26 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <mG3F9.35465$ji1.18102@news1.central.cox.net>
Source record: 4707

"wej3715" <wej3715@scully.tamu.edu> wrote
>
> You mean that accessing a research journal while working on your
> PhD is classified as "commercial use"?

Over a VPN, yes. It isn't considered open communication with
other Amateurs, or experimental in nature.

2583. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-27 13:26:32 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <cK3F9.35497$ji1.14184@news1.central.cox.net>
Source record: 4706

"wej3715" <wej3715@scully.tamu.edu> wrote
> Steve, K5OKC (k5okc@nojunk.cox.net) wrote:
> : Not to mention, the school probably would consider it
> : outside the legal use of their network.
>
> There is a fairly wide leeway for students. You obviously
> can't use the school's network for commercial purposes.
>
> But because of security concerns, unencrypted connections
> are frowned upon. You can use telnet but you must use a
> set of one time passwords. And there are very few computers
> you can access via telnet from outside the firewall.
>
> To go through the firewall and have regular access, you have
> to use VPN and all that traffic is encrypted.

Not a good Amateur Radio application. Consider using Ham
Radio, AFTER it get's to your desk, and after the VPN. This would
be legal, if the University approves.

For example, using your VPN connection to upload/download
APRS traffic would be acceptable. Things like that, where the
Internet is merely a tunnel.

2584. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-27 14:00:36 UTC
From: Jake Brodsky <frussle@erols.com>
Message-ID: <vth9uuc40cgui2e99rtp4m74rb1qd87bnm@4ax.com>
Source record: 4708

On 27 Nov 2002 11:36:31 GMT, wej3715@scully.tamu.edu (wej3715) wrote:

>There is a fairly wide leeway for students. You obviously
>can't use the school's network for commercial purposes.

We're not just talking about commercial purposes. Ham radio operation also prohibits foul language and music. This effectively prohibits the use of many, if not most newsgroups. Ultimately, ham radio operation will also require the presence of a control operator who reviews all traffic. This means that someone is required to MONITOR EVERY PIECE OF TRAFFIC being sent.

Amateur radio is about learning the art and science of radio communications. Your computer network notions are NOT what ham radio is for.

If you try and get cute by pretending you're a ham and jacking up the power, WATCH OUT. If the hams don't find you, the wardrivers will. You'd better hope that ham radio enthusiasts find you first, because all they'll want to do is get you off the air. The wardrivers will probably find new and creative ways of screwing up not only your wireless infrastructure, but everything else as well.

>But because of security concerns, unencrypted connections
>are frowned upon. You can use telnet but you must use a
>set of one time passwords. And there are very few computers
>you can access via telnet from outside the firewall.

If you have security concerns, you shouldn't be using radio at all. ArsTechnica had a "Black Paper" about a month ago concerning 802.11b vulnerabilities. It turns out that even if security is turned on, you may not be as protected as you think you are.

>To go through the firewall and have regular access, you have
>to use VPN and all that traffic is encrypted.

Too bad. Use the unlicensed 802.11b and 802.11a stuff if you think you must use radio. I know you are probably chafing at the limited range and bandwidth of these modes. Welcome to the reality of radio. None of us, except perhaps television broadcasters, have the bandwidth and power to do what we really want.

Maybe now you'll consider that the possibility of wiring the campus with fiber isn't as outrageous as it first seems.

Jake Brodsky, AB3A mailto:frussle@erols.com
"Beware of the massive impossible!"

2585. SSTV.. what is needed ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-27 14:02:10 UTC
From: Dorian Creber <Dorian.Creber@n.o.s.p.a.m.camfordpress.co.uk>
Message-ID: <3de4d06a$0$4783$fa0fcedb@lovejoy.zen.co.uk>
Source record: 4709

What's needed to run SSTV... I already run packet off an old Tiny 2 tnc...

I have the spare ports.. so what do I need to get up and running ?

Doz
MW1AAH

2586. Re: SSTV.. what is needed ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-27 15:45:38 UTC
From: Ralph Mowery <rmowery@ctc.net>
Message-ID: <lEudnTOodb5pa3mgXTWcpQ@ctc.net>
Source record: 4714

Look here and get mmsstv. A very good free program. There are also other free programs at that site for many other sound card modes. The mmrtty is good for rtty.

http://www.muenster.de/%7Ewelp/sb.htm

It is a sound card program. If you can not build a simple interface to get audio into and out of the sound card of your computer do a Google search for an interface called Rascal. Much cheaper than Rigblaster.

Go to 14.230 or 14.233 usb and tune in the guys talking about sstv if there are not any tones being sent. Usually if you are tuned into the voice , the same tuning will work for the sstv.

> What's needed to run SSTV... I already run packet off an old Tiny 2 tnc...
>
> I have the spare ports.. so what do I need to get up and running ?
>
> Doz
> MW1AAH
>
>

2587. Re: SSTV.. what is needed ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-27 16:10:19 UTC
From: Michalkun <no.spam@nospam.com>
Message-ID: <Xns92D3688267FDAmichalkunyahoocom@128.233.3.7>
Source record: 4710

I think a free SSTV program and a sound card is needed.

"Dorian Creber" <Dorian.Creber@n.o.s.p.a.m.camfordpress.co.uk> wrote in
news:3de4d06a$0$4783$fa0fcedb@lovejoy.zen.co.uk:

> What's needed to run SSTV... I already run packet off an old Tiny 2
> tnc...
>
> I have the spare ports.. so what do I need to get up and running ?
>
> Doz
> MW1AAH
>
>
>

2588. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-27 16:15:45 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <Rc6F9.33780$hK4.2950861@bgtnsc05-news.ops.worldnet.att.net>
Source record: 4711

"wej3715" <wej3715@scully.tamu.edu> wrote in message
news:as1ps2$3d1$1@news.tamu.edu...
> Legally, ham operators aren't allowed to encrypt the
> data they transmit over amateur wavelengths, if I
> understand it correctly.

That is correct.
"Encrypt" in part 97 et al means "... to hide the content".

> I'm curious about what happens if you want to connect
> to a machine that only allows encrypted connections
> such as ssh or a VPN.

You cannot do this over ham radio.

> I'm thinking of getting my license for the purpose of
> digital communications. (I've never had any interest
> in seeing if I can talk to someone in every country
> or anything like that.)
>
> But as a grad student at Texas A&M (one of the oldest
> at the moment, I suppose) I would like to be able to
> connect to A&M via the university's VPN service. But
> that would encrypt all communications over the link.

You cannot do that over ham radio.

> What's the status on that? Are there any exceptions
> for cases when you really can't get around it?

No. Connect to other hams instead of commercial hosts.
That's the whole point of ham radio.

> Eric Johnson

--

... Hank

Chaos, panic, and disorder - my work here is done.

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2589. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-27 16:17:19 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <je6F9.33784$hK4.2950882@bgtnsc05-news.ops.worldnet.att.net>
Source record: 4712

"wej3715" <wej3715@scully.tamu.edu> wrote in message
news:as29ja$g4n$1@news.tamu.edu...
> Ham-in-a-can (I.B.Ondaily@on.the.air.con) wrote:
> : Two issue exist here:
> :
> : 1. Encryption of data
> : 2. Commercial use
> :
> : Issue 1 is clear cut all traffic on the Ham Bands has to be plain view,
this
> : is a violation.
> : Issue 2 is interpretive, judging how Mr. Hollowingsworth (FCC Lawyer and
> : Chief Enforcer of Regs in case you did not know) is issuing violation
> : notices
> : lately, he would probably issue one on this and then review. College
> : communication after all is not for the public good but for the good of one
> : person.
>
> You mean that accessing a research journal while working on your
> PhD is classified as "commercial use"?

Yes.
You benefit from obtaining your degree, the colleget benefits from your
tuition.

> I never would have expected that.

Um ... the rules are pretty clear.

> Eric Johnson

--

... Hank

Chaos, panic, and disorder - my work here is done.

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2590. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-27 16:18:26 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <mf6F9.33785$hK4.2949517@bgtnsc05-news.ops.worldnet.att.net>
Source record: 4713

"wej3715" <wej3715@scully.tamu.edu> wrote in message
news:as2anvhrv1@news.tamu.edu...
> Steve, K5OKC (k5okc@nojunk.cox.net) wrote:
> : Not to mention, the school probably would consider it
> : outside the legal use of their network.
>
> There is a fairly wide leeway for students. You obviously
> can't use the school's network for commercial purposes.

The rules do not talk about "commercial purposes" but about
"pecuniary interest". There is a different.

> But because of security concerns, unencrypted connections
> are frowned upon. You can use telnet but you must use a
> set of one time passwords. And there are very few computers
> you can access via telnet from outside the firewall.
>
> To go through the firewall and have regular access, you have
> to use VPN and all that traffic is encrypted.

So you can't do this over ham radio.

> Eric Johnson

--

... Hank

Chaos, panic, and disorder - my work here is done.

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2591. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-27 17:15:25 UTC
From: wej3715@fox.tamu.edu
Message-ID: <as2ujd$6fb$1@news.tamu.edu>
Source record: 4715

Charles, N5PVL (n5pvl@sbcglobal.net) wrote:
: >
: > You mean that accessing a research journal while working on your
: > PhD is classified as "commercial use"?
: >
: > I never would have expected that.
: >
: > Eric Johnson
:
: The high-schools are turning out way to many semi-literate people into the
: colleges. The point about encyrption kind of "whizzed right over his head".
:
: The guy is looking for loopholes, is dissapointed that he didn't get one.
: Just the kind of guy we need in Ham Radio, right?
:
: He'd be a real ASSet to the hobby, I'm sure.
:
: Charles, N5PVL

It looks to me like you're the type of idiot asshole
that noone needs.

My question was whether or not the circumstances
would permit it. I didn't think they would, but
I thought I'd ask, just in case.

Nothing whizzed over my head, but you have your
head stuck up your butt.

Eric Johnson

2592. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-27 17:16:52 UTC
From: wej3715@fox.tamu.edu
Message-ID: <as2um4$6fb$2@news.tamu.edu>
Source record: 4716

Steve, K5OKC (k5okc@nojunk.cox.net) wrote:
: "wej3715" <wej3715@scully.tamu.edu> wrote
: >
: > You mean that accessing a research journal while working on your
: > PhD is classified as "commercial use"?
:
: Over a VPN, yes. It isn't considered open communication with
: other Amateurs, or experimental in nature.

How is using a telephone patch to call home to tell
your wife you'll be home late an open communication
with other amateurs (unless your wife is an amateur)
or experiemental in nature?

Eric Johnson

2593. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-27 17:33:49 UTC
From: wej3715@fox.tamu.edu
Message-ID: <as2vlt$8es$1@news.tamu.edu>
Source record: 4717

Jake Brodsky (frussle@erols.com) wrote:
: On 27 Nov 2002 11:36:31 GMT, wej3715@scully.tamu.edu (wej3715) wrote:
:
: Amateur radio is about learning the art and science of radio
: communications. Your computer network notions are NOT what ham radio
: is for.

I guess what confuses me is that there seems to be quite a
few hams who use it for personal, non-pecuniary, reasons
that have nothing to do with learning the art and science
of radio communications.

It would seem to me that in this age, doing things with
digital communications would fall more into the art and
science than many other uses.

: If you try and get cute by pretending you're a ham and jacking up the
: power, WATCH OUT. If the hams don't find you, the wardrivers will.

I figured the wardrivers would be over in the unlicensed
bands. In any event, I live well away from any likely
war drivers of any description.

: If you have security concerns, you shouldn't be using radio at all.

Nonsense. You have to know what you're doing and use appropriate
methods to control your security.

Too many people just set up a unlicensed network out of the box
and think they are safe.

: Maybe now you'll consider that the possibility of wiring the campus
: with fiber isn't as outrageous as it first seems.

A&M is rather well wired, but they are using radio, too. But the
radio setup typically requires you to use the VPN for any meaningful
access because of the poor security otherwise. In any event, I
live quite a ways from the campus and only go there when I absolutely
have to.

Eric Johnson

2594. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-27 17:52:18 UTC
From: wej3715@fox.tamu.edu
Message-ID: <as30oi$9km$1@news.tamu.edu>
Source record: 4718

Hank Oredson (horedson@att.net) wrote:
:
: "wej3715" <wej3715@scully.tamu.edu> wrote in message
: news:as2anvhrv1@news.tamu.edu...
: > Steve, K5OKC (k5okc@nojunk.cox.net) wrote:
: > : Not to mention, the school probably would consider it
: > : outside the legal use of their network.
: >
: > There is a fairly wide leeway for students. You obviously
: > can't use the school's network for commercial purposes.
:
: The rules do not talk about "commercial purposes" but about
: "pecuniary interest". There is a different.

Good point.

From a book on becoming a ham that appears to come from the
ARRL and sold through Radio Shack:

You can, however, use your Amateur Radio station to
conduct your own personal communications.

...

No one can use an amateur station for monetary gain.
You must not accept payment in any form for the use
of your station at any time. ... Payment means more
than just money here. It refers to any type of
compensation, which would include materials or services
of any type.

It looks to me like it bans the use of ham radio to do anything
for which you are paid in one form or another except for a couple
of clear examples. You also can't use it on behalf of your
company or employer.

And it sure doesn't limit you to communicating only with
other hams. At leat, according to that publication.

What I fail to see is that doing something like accessing
the library's on-line card catalog or reading a research
journal has anything to do with pecuniary interest. I sure
don't get paid to see what books are available or to
read the journals.

The fact that you might be accessing some kind of material
or service wouldn't seem to imply that you are getting

paid in the form of that material or service in exchange
for using the radio.

Is the chance that you might graduate some time in the
fugure and the chance that you might get a job using
your degree enough to make it a pecuniary interest?

Eric Johnson

2595. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-27 19:17:13 UTC
From: wej3715@fox.tamu.edu
Message-ID: <as35np$dn3$1@news.tamu.edu>
Source record: 4720

Steve, K5OKC (k5okc@nojunk.cox.net) wrote:
: Not a good Amateur Radio application. Consider using Ham
: Radio, AFTER it get's to your desk, and after the VPN. This would
: be legal, if the University approves.

I thought about that. The problem is that it becomes a criminal violation of state law if anyone not authorized to connect did connect to the same computers. Even if they are authorized, I don't believe that they are allowed to use someone else's VPN connection with the possible exception in the case of roommates.

Admittedly, there are occasional violations of those rules. For example, I've heard of students letting their spouses use their e-mail accounts.

So if I were to do that and someone else inadvertently or purposely used the VPN connection to connect to A&M's computer system, it would be a violation of the Texas Penal Code since they lack the proper permission.

Admittedly, it is doubtful that there would be any prosecution unless they caused some kind of damage, but it could still happen.

While I don't know that it would be a criminal act on the part of the person who set up the VPN, there would probably still be school sanctions of some kind as a result of allowing an unsecure connection to exist. At the very least, I would expect someone to lose their Texas A&M computing privileges.

So for the connection, it would either have to be VPN all the way or not at all. Therefore, it would obviously have to be not at all because of the prohibition on encryption.

It would be an interesting idea. It might be possible to set up the computer with the local side of the VPN connection so that it would filter out the inadvertent, nonauthorized traffic. But it would still be vulnerable to malicous attackers since they would be able to examine the authorized packets and spoof them.

Where I live (I have a 1200 mile round trip commute) there are few, if any, people who have a mindset to break in and who have sufficient skill to do so. So some kind of security filtering to keep the accidental traffic out of

the VPN might work fine, but I don't think it would be approved.

Note. I'm not saying I want a 600 mile radio link. Just a 20 mile link from the farm to the nearest town and then use regular internet connection from there.

For what it's worth, I think what I'd like to do is far more expensive than what I would be happy with since I'd probably have to put an enormous effort into developing a radio link that is fast enough that I could run programs on computers at A&M and display the data at home or to have reasonable access speeds when reading the research journals from the library. In any event, I might have my doctorate by the time I got it up and running.

On the other hand, once you start trying, sometimes things end up less expensive and faster than they appeared.

Eric Johnson

2596. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-27 19:26:33 UTC
From: Jake Brodsky <frussle@erols.com>
Message-ID: <5h3auusu9t7rass3usffie292tol9kkn0e@4ax.com>
Source record: 4719

On 27 Nov 2002 17:33:49 GMT, wej3715@fox.tamu.edu (wej3715) wrote:

>Jake Brodsky (frussle@erols.com) wrote:
>: Amateur radio is about learning the art and science of radio
>: communications. Your computer network notions are NOT what ham radio
>: is for.
>
>I guess what confuses me is that there seems to be quite a
>few hams who use it for personal, non-pecuniary, reasons
>that have nothing to do with learning the art and science
>of radio communications.

The fact that they are using it for enjoyment is not the issue. Ham radio is basically meant to be a few chunks of spectrum where people can play with the technology in the open.

>It would seem to me that in this age, doing things with
>digital communications would fall more into the art and
>science than many other uses.

No disagreement there. There are lots of really cool digital communications methods on the air. Most of them are very slow. Few run at speeds greater than 56 kBPS.

>: If you have security concerns, you shouldn't be using radio at all.
>
>Nonsense. You have to know what you're doing and use appropriate
>methods to control your security.

There is an old maxim about radio: Don't say anything you wouldn't want to see published in the next morning's newspaper. How well do you REALLY understand the security you're using?

>Too many people just set up a unlicensed network out of the box
>and think they are safe.

Too many people set up those unlicensed networks, enabling the security very carefully and they're still not safe. Read ARSTechnica's Black Paper. It's an eye-opener.

>: Maybe now you'll consider that the possibility of wiring the campus
>: with fiber isn't as outrageous as it first seems.
>
>A&M is rather well wired, but they are using radio, too. But the
>radio setup typically requires you to use the VPN for any meaningful
>access because of the poor security otherwise. In any event, I
>live quite a ways from the campus and only go there when I absolutely

>have to.

Look, I have a feeling that we're talking past each other. Let me reiterate: This "no encryption" thing isn't just common practice or a gentlemen's agreement. It's a hard and fast regulation straight from the Federal Communications Commission.

You don't have to take my word for it, here's a link straight from the Government Printing Office:

http://frwebgate.access.gpo.gov/cgi-bin/get-cfr.cgi?TITLE=47&PART=97&SECTION=113&YEAR=2001&TYPE=TEXT

It's 47CFR97.113(a)(4). Read it carefully. Note the prohibition against "messages in codes or ciphers intended to obscure the meaning thereof". How does a VPN *NOT* fit this definition?

I'm sorry to be the one to burst your bubble, but ham radio is not for folks to extend networks to their homes using VPNs over the air.

73,

Jake Brodsky, AB3A mailto:frussle@erols.com
"Beware of the massive impossible!"

2597. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-27 19:59:30 UTC
From: Ralph Mowery <rmowery@ctc.net>
Message-ID: <e7mcneQXW8Hur3igXTWcoQ@ctc.net>
Source record: 4722

Outside of all that has been mentioned, what would one call the transmitter/receiver at the school's end ? It does not seem to be a repeater or remote base.

> > : > : Not to mention, the school probably would consider it
> > : > : outside the legal use of their network.
> > : >
> > : > There is a fairly wide leeway for students. You obviously
> > : > can't use the school's network for commercial purposes.
> > :
> > : The rules do not talk about "commercial purposes" but about
> > : "pecuniary interest". There is a different.
> >
> > Good point.
> >
> > From a book on becoming a ham that appears to come from the
> > ARRL and sold through Radio Shack:
> >
> > You can, however, use your Amateur Radio station to
> > conduct your own personal communications.
> >
> > ...
> >
> > No one can use an amateur station for monetary gain.
> > You must not accept payment in any form for the use
> > of your station at any time. ... Payment means more
> > than just money here. It refers to any type of
> > compensation, which would include materials or services
> > of any type.
> >
> > It looks to me like it bans the use of ham radio to do anything
> > for which you are paid in one form or another except for a couple
> > of clear examples. You also can't use it on behalf of your
> > company or employer.
> >
> > And it sure doesn't limit you to communicating only with
> > other hams. At leat, according to that publication.
> >
> > What I fail to see is that doing something like accessing
> > the library's on-line card catalog or reading a research
> > journal has anything to do with pecuniary interest. I sure
> > don't get paid to see what books are available or to
> > read the journals.
> >

> > The fact that you might be accessing some kind of material
> > or service wouldn't seem to imply that you are getting
> > paid in the form of that material or service in exchange
> > for using the radio.
> >
> > Is the chance that you might graduate some time in the
> > fugure and the chance that you might get a job using
> > your degree enough to make it a pecuniary interest?
>
>
> Probably.
> But that does not matter.
> You cannot encrypt communications that use Ham Radio.
> End of story.
>
> --
>
>

2598. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-27 20:17:08 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <8L9F9.27778$vM1.2125598@bgtnsc04-news.ops.worldnet.att.net>
Source record: 4721

"wej3715" <wej3715@fox.tamu.edu> wrote in message
news:as30oi$9km$1@news.tamu.edu...
> Hank Oredson (horedson@att.net) wrote:
> :
> : "wej3715" <wej3715@scully.tamu.edu> wrote in message
> : news:as2anvhrv1@news.tamu.edu...
> : > Steve, K5OKC (k5okc@nojunk.cox.net) wrote:
> : > : Not to mention, the school probably would consider it
> : > : outside the legal use of their network.
> : >
> : > There is a fairly wide leeway for students. You obviously
> : > can't use the school's network for commercial purposes.
> :
> : The rules do not talk about "commercial purposes" but about
> : "pecuniary interest". There is a different.
>
> Good point.
>
> From a book on becoming a ham that appears to come from the
> ARRL and sold through Radio Shack:
>
> You can, however, use your Amateur Radio station to
> conduct your own personal communications.
>
> ...
>
> No one can use an amateur station for monetary gain.
> You must not accept payment in any form for the use
> of your station at any time. ... Payment means more
> than just money here. It refers to any type of
> compensation, which would include materials or services
> of any type.
>
> It looks to me like it bans the use of ham radio to do anything
> for which you are paid in one form or another except for a couple
> of clear examples. You also can't use it on behalf of your
> company or employer.
>
> And it sure doesn't limit you to communicating only with
> other hams. At leat, according to that publication.
>
> What I fail to see is that doing something like accessing
> the library's on-line card catalog or reading a research
> journal has anything to do with pecuniary interest. I sure

> don't get paid to see what books are available or to
> read the journals.
>
> The fact that you might be accessing some kind of material
> or service wouldn't seem to imply that you are getting
> paid in the form of that material or service in exchange
> for using the radio.
>
> Is the chance that you might graduate some time in the
> fugure and the chance that you might get a job using
> your degree enough to make it a pecuniary interest?

Probably.
But that does not matter.
You cannot encrypt communications that use Ham Radio.
End of story.

--

... Hank

Chaos, panic, and disorder - my work here is done.

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2599. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-27 20:38:49 UTC
From: wej3715@fox.tamu.edu
Message-ID: <as3agphuc1@news.tamu.edu>
Source record: 4724

Jake Brodsky (frussle@erols.com) wrote:
: There is an old maxim about radio: Don't say anything you wouldn't
: want to see published in the next morning's newspaper. How well do
: you REALLY understand the security you're using?

Quite well, actually. It's based on math and I have two math
degrees from the 70's.

: >Too many people just set up a unlicensed network out of the box
: >and think they are safe.
:
: Too many people set up those unlicensed networks, enabling the
: security very carefully and they're still not safe. Read
: ARSTechnica's Black Paper. It's an eye-opener.
:
: >: Maybe now you'll consider that the possibility of wiring the campus
: >: with fiber isn't as outrageous as it first seems.
: >
: >A&M is rather well wired, but they are using radio, too. But the
: >radio setup typically requires you to use the VPN for any meaningful
: >access because of the poor security otherwise. In any event, I
: >live quite a ways from the campus and only go there when I absolutely
: >have to.
:
: Look, I have a feeling that we're talking past each other. Let me
: reiterate: This "no encryption" thing isn't just common practice or a
: gentlemen's agreement. It's a hard and fast regulation straight from
: the Federal Communications Commission.

: It's 47CFR97.113(a)(4). Read it carefully. Note the prohibition
: against "messages in codes or ciphers intended to obscure the
: meaning thereof". How does a VPN *NOT* fit this definition?

That's fine. I just wanted to ask to be sure.

: I'm sorry to be the one to burst your bubble, but ham radio is not for
: folks to extend networks to their homes using VPNs over the air.

I thought ham radio was for experimentation and education. It
would seem that in some cases, absent the explicit ban in
47CFR97.113(a)(4), it could indeed fall well within those
purposes.

How much real experimentation is actually done on amateur
radio these days? (By that, I mean innovation, not just
implementing something already developed elsewhere.) At

one time, things like bouncing a signal off of a satellite or the moon were quite innovative and experimental.

I think it would be logical to try to encourage innovation and experimentation rather than to just sit back and talk to each other in more or less the same way as was done decades ago. There ought to be plenty of opportunity for both.

From the outside looking in, it doesn't really appear like packet has really done much in the last ten years or so, but I might be wrong. In the late 80's I was intrigued by the idea of packet, but I was head of R&D for a small company that couldn't afford to pay me more than my basic living expenses and so I couldn't afford to do much. Then a few months ago, I read a little bit about packet today and it doesn't seem like it has really progressed very far. I was a bit disappointed.

In contrast, there seems to be plenty of experimentation and innovation on the unlicensed part 15 bands. That should increase some more with the recent relaxation in a few of the rules.

Am I wrong about that? Is there a whole lot going on that I just don't see since I'm just a casual observer?

Eric Johnson

2600. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-27 20:41:57 UTC
From: wej3715@fox.tamu.edu
Message-ID: <as3amlhuc2@news.tamu.edu>
Source record: 4723

Hank Oredson (horedson@att.net) wrote:
:
: "wej3715" <wej3715@fox.tamu.edu> wrote in message
: news:as30oi$9km$1@news.tamu.edu...
: > From a book on becoming a ham that appears to come from the
: > ARRL and sold through Radio Shack:
: >
: > You can, however, use your Amateur Radio station to
: > conduct your own personal communications.
: >
: > ...
: >
: > No one can use an amateur station for monetary gain.
: > You must not accept payment in any form for the use
: > of your station at any time. ... Payment means more
: > than just money here. It refers to any type of
: > compensation, which would include materials or services
: > of any type.
: >
: > It looks to me like it bans the use of ham radio to do anything
: > for which you are paid in one form or another except for a couple
: > of clear examples. You also can't use it on behalf of your
: > company or employer.
: >
: > And it sure doesn't limit you to communicating only with
: > other hams. At leat, according to that publication.
: >
: > What I fail to see is that doing something like accessing
: > the library's on-line card catalog or reading a research
: > journal has anything to do with pecuniary interest. I sure
: > don't get paid to see what books are available or to
: > read the journals.
: >
: > The fact that you might be accessing some kind of material
: > or service wouldn't seem to imply that you are getting
: > paid in the form of that material or service in exchange
: > for using the radio.
: >
: > Is the chance that you might graduate some time in the
: > fugure and the chance that you might get a job using
: > your degree enough to make it a pecuniary interest?
:
:
: Probably.

: But that does not matter.
: You cannot encrypt communications that use Ham Radio.
: End of story.

There is some limited telnet access using one time passwords.
That would be in the clear.

Then the pecuniary interest question would remain. Would
that still be prohibited for the reason that you might
eventually earn a doctorate?

Eric Johnson

2601. Legal Question

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-27 21:07:52 UTC
From: Joseph Fenn <jfenn@lava.net>
Message-ID: <Pine.BSI.4.44.0211271102140.26776-100000@malasada.lava.net>
Source record: 4725

HOws this one. You want to live in a condo 20 stories high, so
you ask the bldg manager if you bought a condo near the top of the
bldg would he allow you to install a rotary beam on the roof!
Tell him you would use your ham radio as an emergency assistance
means of comms in case of any kind of an emergency even includeing
various parts of the BLDG. This is a a conditional purchase
to be true about it, and your ham radio is gaining you a permit
to put your beam up on the roof. Is their any conflict there?
I dont think so as long as the Apt didnt have any added cost
put into the price just because of your ham radio requirements.

We have several about 6 of these on high rise bldgs here in
Honolulu and Waikiki that managed to get these deals through,
and to my knowledge none have had any problem with the bldg managers,
nor FCC rules.
Joe/KH6JF

****
* Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
****

2602. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-27 22:27:21 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <dFbF9.37396$ji1.33479@news1.central.cox.net>
Source record: 4726

"wej3715" <wej3715@fox.tamu.edu> wrote
> Steve, K5OKC (k5okc@nojunk.cox.net) wrote:
> : "wej3715" <wej3715@scully.tamu.edu> wrote
> : >
> : > You mean that accessing a research journal while working on your
> : > PhD is classified as "commercial use"?
> :
> : Over a VPN, yes. It isn't considered open communication with
> : other Amateurs, or experimental in nature.
>
> How is using a telephone patch to call home to tell
> your wife you'll be home late an open communication
> with other amateurs (unless your wife is an amateur)
> or experiemental in nature?

It's allowed by the rules, while a VPN is not. The thing
to remember, is that Ham radio is a hobby. If you use it
for a private network that is encrypted, how could this
benefit society? I'm not saying everything that Hams do
now benefits society, but that is the goal.

While you could be doing your homework, you could also
be going to pay for service web sites (porn, gambling, and
credit card transaction. It's encrypted, and no one knows
what you're doing. The person calling his wife on the patch
is not hiding anything, and anyone can key up and say hello
to his wife.

2603. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-27 23:03:48 UTC
From: "Charles, N5PVL" <n5pvl@sbcglobal.net>
Message-ID: <obcF9.174$A22.129499153@newssvr30.news.prodigy.com>
Source record: 4727

"wej3715" <wej3715@fox.tamu.edu> wrote in message
news:as3agphuc1@news.tamu.edu...
>
> I thought ham radio was for experimentation and education

Care for a little cheese with that whine?

Charles, N5PVL

2604. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-27 23:10:26 UTC
From: wej3715@fox.tamu.edu
Message-ID: <as3jd2rpa1@news.tamu.edu>
Source record: 4729

Steve, K5OKC (k5okc@nojunk.cox.net) wrote:
: "wej3715" <wej3715@fox.tamu.edu> wrote
: > Steve, K5OKC (k5okc@nojunk.cox.net) wrote:
: > : "wej3715" <wej3715@scully.tamu.edu> wrote
: > : >
: > : > You mean that accessing a research journal while working on your
: > : > PhD is classified as "commercial use"?
: > :
: > : Over a VPN, yes. It isn't considered open communication with
: > : other Amateurs, or experimental in nature.
: >
: > How is using a telephone patch to call home to tell
: > your wife you'll be home late an open communication
: > with other amateurs (unless your wife is an amateur)
: > or experiemental in nature?
:
: It's allowed by the rules, while a VPN is not.

Actually, I was addressing the question of whether or not
it was pecuiary in nature, not the VPN question.

: The thing
: to remember, is that Ham radio is a hobby. If you use it
: for a private network that is encrypted, how could this
: benefit society?

I suspect most hams did not become hams in order to
benefit society.

: I'm not saying everything that Hams do
: now benefits society, but that is the goal.
:
: While you could be doing your homework, you could also

What homework? I'm doing research hours only right now.

: be going to pay for service web sites (porn, gambling, and
: credit card transaction. It's encrypted, and no one knows
: what you're doing. The person calling his wife on the patch
: is not hiding anything, and anyone can key up and say hello
: to his wife.

I wouldn't have to connect through the A&M firewall for those.

I do occasionally order something from the Internet such as
computer equipment and books. I hadn't thought of buying
computer equipment and books as a potential violation. But

I readily concede that most sites switch from http to https for the purchase and so that would be a violation on that issue. The transaction itself doesn't seem all that much worse than making reseervations at a restraunt over a phone patch, but I'm sure it is a violation in and of itself.

But I could always drive to my brother's office for purchases.

Are the rules interpreted so as to prohibit you from accessing any site on the Internet that you paid for the right to access? If that's the case, you'd be stuck with the free e-mail services.

That does bring up a good point (I think). If a ham operator checks his e-mail through an amateur radio connection and one of the e-mails is an unsolicited and unwarranted porn spam, does that put him in violation? If that's the case, I'd guess that most of the hams checking their e-mail that way would be in violation.

I think I've definitely decided to not bother with amateur radio based on this thread. There just doesn't seem to be any point to it at all.

I don't have time to waste on a hobby that I cannot legally benefit from in any way at all except in the case of an emergency.

I don't see anything wrong with personally benefitting from a hobby (that doesn't mean by selling services or something). On an average day, I get five to ten porn spams in my e-mail so I wouldn't be able to check my e-mail. I need to be able to securely access the computer networks at A&M. That's completely out. I can't even connect to a web site and order a radio to use for communication.

Why bother?

Eric Johnson

2605. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-27 23:11:24 UTC
From: wej3715@fox.tamu.edu
Message-ID: <as3jesrpa2@news.tamu.edu>
Source record: 4728

Charles, N5PVL (n5pvl@sbcglobal.net) wrote:
:
: "wej3715" <wej3715@fox.tamu.edu> wrote in message
: news:as3agphuc1@news.tamu.edu...
: >
: > I thought ham radio was for experimentation and education
:
: Care for a little cheese with that whine?

You're just a little twerp. Go away and play
with your dolls, sonny boy.

Eric Johnson

2606. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-28 00:52:11 UTC
From: "Charles, N5PVL" <n5pvl@sbcglobal.net>
Message-ID: <%MdF9.616$3L6.168821867@newssvr12.news.prodigy.com>
Source record: 4730

"wej3715" <wej3715@fox.tamu.edu> wrote in message
news:as3jd2rpa1@news.tamu.edu...
>
> I think I've definitely decided to not bother with amateur
> radio based on this thread. There just doesn't seem to be
> any point to it at all.
>

Good thinking! Now buzz off. Ham Radio most definately doesn't need you either, so it looks like a good deal, all around.

You might want to watch your mouth, by the way. It can get you into more trouble that you can handle.

Charles, N5PVL

2607. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-28 01:03:09 UTC
From: wej3715@fox.tamu.edu
Message-ID: <as3q0d$2pg$1@news.tamu.edu>
Source record: 4731

Charles, N5PVL (n5pvl@sbcglobal.net) wrote:
:
: "wej3715" <wej3715@fox.tamu.edu> wrote in message
: news:as3jd2rpa1@news.tamu.edu...
: >
: > I think I've definitely decided to not bother with amateur
: > radio based on this thread. There just doesn't seem to be
: > any point to it at all.
: >
:
: Good thinking! Now buzz off. Ham Radio most definately doesn't need you
: either, so it looks like a good deal, all around.
:
: You might want to watch your mouth, by the way. It can get you into more
: trouble that you can handle.

For what it's worth, you're the one who started calling
names. I merely responded in kind.

All I had was a simple couple of questions. I was pretty
sure I already knew the answers, but I wanted to ask in a
forum where I figured I might get a reasonable answer and
a discussion about them, if necessary. But instead, what
do I find but a smartalec like you.

I can see why ham radio is having trouble attracting
new blood. Instead of answering an honest question
honestly, jerks like you just start badmouthing them
from the start.

In fact, from your first response on, you appear to be
the biggest jerk I've ever met who has a radio license.
The vast majority of the hams I've met usually enjoy
answering questions. There have been exceptions, of
course, but you are the champion exception of all
time.

So what's your problem?

Eric Johnson

2608. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-28 03:30:52 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <M5gF9.38372$ji1.11611@news1.central.cox.net>
Source record: 4732

"wej3715" <wej3715@fox.tamu.edu> wrote
>
> I suspect most hams did not become hams in order to
> benefit society.

By that I meant using the billions of dollars in spectrum for
non-commercial, non-private communications.

> Are the rules interpreted so as to prohibit you from accessing
> any site on the Internet that you paid for the right to
> access? If that's the case, you'd be stuck with the free
> e-mail services.

I think your problem here, is thinking of ham radio as a way
of extending the Internet. They are two separate mediums.
Ham radio has nothing to do with the Internet, although wireless
devices could be used as you suggest, that's not what the
billions in spectrum is for. It's for radio communications with
other like countries, using modes that Hams design or adopt.

> That does bring up a good point (I think). If a ham operator
> checks his e-mail through an amateur radio connection and
> one of the e-mails is an unsolicited and unwarranted porn
> spam, does that put him in violation?

Yes.

> If that's the case,
> I'd guess that most of the hams checking their e-mail that
> way would be in violation.

It would be a bad way of using the gift of billions in spectrum
value.

> I think I've definitely decided to not bother with amateur
> radio based on this thread. There just doesn't seem to be
> any point to it at all.

Let me put it this way, the first time I talked to Sweden on
10 meters, in my car coming home from work, was much
more exciting than using the Internet. Therein lies the
difference of what we each consider fun. Talking with other
hams, using various modulation methods is what the service
was designed for.

> I don't have time to waste on a hobby that I cannot legally
> benefit from in any way at all except in the case of an

> emergency.

Fair enough. The feelings would be mutual.

> I don't see anything wrong with personally benefitting from
> a hobby (that doesn't mean by selling services or something).
> On an average day, I get five to ten porn spams in my e-mail
> so I wouldn't be able to check my e-mail. I need to be able
> to securely access the computer networks at A&M. That's
> completely out. I can't even connect to a web site and order
> a radio to use for communication.
>
> Why bother?

Ham radio is about "we" not "me." Put it in terms of
many foreign countries, rather than your nearest 100 acres.
Amateur Radio is a global hobby, not something to waste
on an Internet connection. If that is all it was good for, the
government would sell it all off to the communications companies,
and be done with it.

2609. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-28 03:41:12 UTC
From: "Charles, N5PVL" <n5pvl@sbcglobal.net>
Message-ID: <sfgF9.229$AY3.176952490@newssvr30.news.prodigy.com>
Source record: 4733

"wej3715" <wej3715@fox.tamu.edu> wrote in message
news:as3q0d$2pg$1@news.tamu.edu...
>
> So what's your problem?
>

You are by no means the first college student to get the bright idea that Ham Radio is the answer to their Internet connectivity problems. Since folks like yourself are swimming around in the university environment, the rules and laws that protect and define this hobby are always seen as an unreasonable inconvenience, something to try to "get around"... Some of them even end up butting heads with the laws of physics!

All of them end up being bitter when reality soaks in, and we get to see a few variations on the basic temper tantrum. Almost all of them eventually end up bad mouthing the hobby, which is strange because they seldom show any genuine interest in the hobby itself. - They're just looking for a freebee, an easy out, or an alternative to knowing what they are doing in the IT field, and doing it right.

My theory is that there is a misleading Linux FAQ or doc somewhere that keeps steering people the wrong way, otherwise this situation would not be so tiresomely familiar.

Whatever the cause, the end result is a lot of time and bandwidth wasted here, explaining the same information over and over to people who are supposed to know how to find out things for themselves. Then they get arrogant and nasty when they are told that they are not exempted from the rules. It gets real old, real fast.

Ham Radio has a lot to offer - if your primary interest is radio. If your main interest is not radio, then of course Ham Radio may not be relevant to those interests. That's the situation the FCC's PART97 rules are there to ensure when they define the hobby. Without those rules, this great hobby would soon cease to exist. Persons like yourself would gladly undermine the hobby in the cause of momentary expedience.

It's nothing personal, it's just that you are a carbon copy of several hundred other guys who got the same "bright" idea in the past, and had to have the hose turned on them so they'd quit humping around the yard. The whole situation is like - really old.

Tell you what: Hang out here and be the official guy who chases off IT students who have been led astray for a while. Watch yourself developing precisely the same attitude I have. Oh, you'll be all sweet and light at first, but give it a little time.. You'll see what I mean. Give it a little

time, then imagine several years of it.

It gets like, really OLD, after a while. (yawn)

Charles, N5PVL

2610. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-28 04:30:11 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <nZgF9.28456$vM1.2170706@bgtnsc04-news.ops.worldnet.att.net>
Source record: 4734

"wej3715" <wej3715@fox.tamu.edu> wrote in message
news:as3q0d$2pg$1@news.tamu.edu...

> All I had was a simple couple of questions. I was pretty
> sure I already knew the answers, but I wanted to ask in a
> forum where I figured I might get a reasonable answer and
> a discussion about them, if necessary. But instead, what
> do I find but a smartalec like you.

You did not like the answers you got, and indicated you were
only interested in doing things that are not legal. Don't want
you on the ham radio frequencies with that attitude. Come back
when you learn what ham radio is about.

> I can see why ham radio is having trouble attracting
> new blood. Instead of answering an honest question
> honestly, jerks like you just start badmouthing them
> from the start.

You got the answer a dozen or so times. With a reading
comprehension problem that severe, there is little chance
you would be able to pass the license test anyway. Come
back when you learn what ham radio is about.

> In fact, from your first response on, you appear to be
> the biggest jerk I've ever met who has a radio license.

Charles is not even close to taking that title.

> The vast majority of the hams I've met usually enjoy
> answering questions. There have been exceptions, of
> course, but you are the champion exception of all
> time.
>
> So what's your problem?

Instead of paying attention to the answers you received, you
continued to argue and whine about how you want to do
something you can't do. Life sucks. Get used to it. Go away
now, and come back when you learn what ham radio is about.

--

... Hank

Chaos, panic, and disorder - my work here is done.

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2611. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-28 05:50:56 UTC
From: wej3715@fox.tamu.edu
Message-ID: <as4as0hma1@news.tamu.edu>
Source record: 4735

Hank Oredson (horedson@att.net) wrote:
:
: "wej3715" <wej3715@fox.tamu.edu> wrote in message
: news:as3q0d$2pg$1@news.tamu.edu...
:
: > All I had was a simple couple of questions. I was pretty
: > sure I already knew the answers, but I wanted to ask in a
: > forum where I figured I might get a reasonable answer and
: > a discussion about them, if necessary. But instead, what
: > do I find but a smartalec like you.
:
: You did not like the answers you got, and indicated you were
: only interested in doing things that are not legal.

That's not exactly true. I wanted to find out whether what
I am interested in doing is legal and what I have to do to
be legal, if possible. There is a big difference there.

: Don't want
: you on the ham radio frequencies with that attitude. Come back
: when you learn what ham radio is about.

And there is where the difference is. In fact, what
you do want is people to find out whether what they
want to do is legal instead of doing it anyway and
causing problems.

: > I can see why ham radio is having trouble attracting
: > new blood. Instead of answering an honest question
: > honestly, jerks like you just start badmouthing them
: > from the start.
:
: You got the answer a dozen or so times. With a reading
: comprehension problem that severe, there is little chance
: you would be able to pass the license test anyway. Come
: back when you learn what ham radio is about.

Actually, some of the answers didn't make much sense.

: Instead of paying attention to the answers you received, you
: continued to argue and whine about how you want to do
: something you can't do. Life sucks. Get used to it. Go away
: now, and come back when you learn what ham radio is about.

Nope. I readily admitted the part about the encryption
being a problem. I figured it would be when I posted the

original message, but I wanted to explore it anyway.

That is, after all, how a scientific mind works. You not only ask questions you don't know the answer to -- you also ask those questions that you think you already know the answer. It's amazing how many times you find that there are things you missed. If you don't ask the question because you think you already know the answer, then you are likely to miss out on some things worth learning.

I was surprised by the assertion that accessing the university computers over a ham radio link involved pecuniary interest at all. If I was an employee of Texas A&M, then there would be a problem, but I just don't see that applies as a student. The last time I was an employee of Texas A&M was in 1980.

I'm still interested in why you and others seem to think that there is a pecuinary interest involved. A "yes there is" answer is not sufficient. Why is it involved? Do I misunderstand the notion of pecuniary interest? My understanding is that it involves being paid by someone else for using the link, whether in cash, pay check, benefits, ... When all I see is a "yes there is" type answer with nothing to support, I have to wonder if whoever is answering understood the question.

It's not whining to ask questions when you want to know the answers and the answers include reasons, not just an assertion.

But in the answers here, it seemed like the focus was on the quickly settled issue of encryption even to my specific questions about the rationale behind the assertions about the pecuniary interest. At first, I figured I must have not asked the question very well, but now I think that maybe the responses to later posts may have been written with the original post in mind.

In fact, you are a good example of that. Look at this:

> "wej3715" <wej3715@fox.tamu.edu> wrote in message
> news:as30oi$9km$1@news.tamu.edu...
> > Hank Oredson (horedson@att.net) wrote:
> > :
> > : "wej3715" <wej3715@scully.tamu.edu> wrote in message
> > : news:as2anvhrv1@news.tamu.edu...
> > : > Steve, K5OKC (k5okc@nojunk.cox.net) wrote:
> > : > : Not to mention, the school probably would consider it
> > : > : outside the legal use of their network.

> > : >
> > : > There is a fairly wide leeway for students. You obviously
> > : > can't use the school's network for commercial purposes.
> > :
> > : The rules do not talk about "commercial purposes" but about
> > : "pecuniary interest". There is a different.
> >
> > Good point.
> >
> > From a book on becoming a ham that appears to come from the
> > ARRL and sold through Radio Shack:
> >
> > You can, however, use your Amateur Radio station to
> > conduct your own personal communications.
> >
> > ...
> >
> > No one can use an amateur station for monetary gain.
> > You must not accept payment in any form for the use
> > of your station at any time. ... Payment means more
> > than just money here. It refers to any type of
> > compensation, which would include materials or services
> > of any type.
> >
> > It looks to me like it bans the use of ham radio to do anything
> > for which you are paid in one form or another except for a couple
> > of clear examples. You also can't use it on behalf of your
> > company or employer.
> >
> > And it sure doesn't limit you to communicating only with
> > other hams. At leat, according to that publication.
> >
> > What I fail to see is that doing something like accessing
> > the library's on-line card catalog or reading a research
> > journal has anything to do with pecuniary interest. I sure
> > don't get paid to see what books are available or to
> > read the journals.
> >
> > The fact that you might be accessing some kind of material
> > or service wouldn't seem to imply that you are getting
> > paid in the form of that material or service in exchange
> > for using the radio.
> >
> > Is the chance that you might graduate some time in the
> > fugure and the chance that you might get a job using
> > your degree enough to make it a pecuniary interest?
>
>
> Probably.
> But that does not matter.

> You cannot encrypt communications that use Ham Radio.
> End of story.

I was specifically trying to understand why many on here seem to think that there is a pecuniary interest problem here. But instead of addresing the question, you just give a one word rsponse of "probably" and then go back to the already settled question (at least in my mind) about encryption.

Eric Johnson

2612. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-28 06:29:49 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <xJiF9.28570$vM1.2183031@bgtnsc04-news.ops.worldnet.att.net>
Source record: 4736

"wej3715" <wej3715@fox.tamu.edu> wrote in message
news:as4as0hma1@news.tamu.edu...
> Hank Oredson (horedson@att.net) wrote:
> :
> : "wej3715" <wej3715@fox.tamu.edu> wrote in message
> : news:as3q0d$2pg$1@news.tamu.edu...
> :
> : > All I had was a simple couple of questions. I was pretty
> : > sure I already knew the answers, but I wanted to ask in a
> : > forum where I figured I might get a reasonable answer and
> : > a discussion about them, if necessary. But instead, what
> : > do I find but a smartalec like you.
> :
> : You did not like the answers you got, and indicated you were
> : only interested in doing things that are not legal.
>
> That's not exactly true. I wanted to find out whether what
> I am interested in doing is legal and what I have to do to
> be legal, if possible. There is a big difference there.

I will spell it out again, very simply.
What you wish to do is not legal.
There is nothing you can do to make it legal.
If this is your only interest in radio, you are in the wrong newsgroup.
Now do you understand?

--

... Hank

Chaos, panic, and disorder - my work here is done.

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2613. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-28 06:43:24 UTC
From: wej3715@fox.tamu.edu
Message-ID: <as4ducjsp1@news.tamu.edu>
Source record: 4737

Steve, K5OKC (k5okc@nojunk.cox.net) wrote:
: "wej3715" <wej3715@fox.tamu.edu> wrote
: >
: > I suspect most hams did not become hams in order to
: > benefit society.
:
: By that I meant using the billions of dollars in spectrum for
: non-commercial, non-private communications.
:
: > Are the rules interpreted so as to prohibit you from accessing
: > any site on the Internet that you paid for the right to
: > access? If that's the case, you'd be stuck with the free
: > e-mail services.
:
: I think your problem here, is thinking of ham radio as a way
: of extending the Internet. They are two separate mediums.
: Ham radio has nothing to do with the Internet, although wireless
: devices could be used as you suggest, that's not what the
: billions in spectrum is for. It's for radio communications with
: other like countries, using modes that Hams design or adopt.

Am I wrong in thinking ham radio is about a lot more than
communications with other countries? I thought it was
supposed to be about progress, not maintaining the status quo.

I'm under the impression that years ago, work in the ham
radio bands was often leading edge. For example, one old
ham friend of mine once told me that the first person who
managed to successfully bounce a signal off the moon to
communicate with someone a pretty good distance away (Virginia
to Hawaii, or something like that) was a ham.

: > That does bring up a good point (I think). If a ham operator
: > checks his e-mail through an amateur radio connection and
: > one of the e-mails is an unsolicited and unwarranted porn
: > spam, does that put him in violation?
:
: Yes.

I sure wouldn't want to check my e-mail, then. At least not
until the spam problem is brought under control, if ever.
Even with strong filtering, a not insignificant percentage of
porn spams keep coming through.

Eric Johnson

2614. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-28 07:24:09 UTC
From: wej3715@fox.tamu.edu
Message-ID: <as4gaplnp1@news.tamu.edu>
Source record: 4738

Hank Oredson (horedson@att.net) wrote:
:
: "wej3715" <wej3715@fox.tamu.edu> wrote in message
: news:as4as0hma1@news.tamu.edu...
: > Hank Oredson (horedson@att.net) wrote:
: > :
: > : "wej3715" <wej3715@fox.tamu.edu> wrote in message
: > : news:as3q0d$2pg$1@news.tamu.edu...
: > :
: > : > All I had was a simple couple of questions. I was pretty
: > : > sure I already knew the answers, but I wanted to ask in a
: > : > forum where I figured I might get a reasonable answer and
: > : > a discussion about them, if necessary. But instead, what
: > : > do I find but a smartalec like you.
: > :
: > : You did not like the answers you got, and indicated you were
: > : only interested in doing things that are not legal.
: >
: > That's not exactly true. I wanted to find out whether what
: > I am interested in doing is legal and what I have to do to
: > be legal, if possible. There is a big difference there.
:
:
: I will spell it out again, very simply.
: What you wish to do is not legal.
: There is nothing you can do to make it legal.
: If this is your only interest in radio, you are in the wrong newsgroup.
: Now do you understand?

I think you didn't bother to read my previous post.

You didn't sell anything out. You just made an assertion
with nothing to back it up. I don't even know exactly
which issue or issues you are talking about.

Why don't you spell it out? What is illegal? What do I wish
to do that is illegal? Why is it illegal?

I'd like to be able to connect to A&M via VPN. I am fully
cognizant of the fact that you can't do that. But like I
said, I wanted to ask anyway in case I was wrong.

There is still some limited, non-encrypted communications that
would be useful. These would involve the use of telnet and
one-time passwords. The objection seems to be some rather
shadowy assertion of a problem with pecuniary interest. But

where does the pecuniary interest come in since I am not an employee of Texas A&M University and have not been an employee of Texas A&M University since 1980, the connection would not involve any kind of payment in cash, goods, or services. I'm still waiting for a real answer on that with the rationale behind it.

I'd like to be able to check my e-mail via the radio link. But because of the possibilty of spam for porn sites being transmitted, I can't do that. So be it. That's not an issue any more, at least to me. However, I never thought about that before, so these discussions have definitely provided some useful information to me.

There are other things, too, that haven't been mentioned. But your assertion of what I wish to do seems to take in everything whether or not they've even been mentioned here.

For example, I'm very interested in robotics including issues concerning the cooperation between multiple, independent robots. I know that the rules specifically allow you to use amateur radio to control a model and so it seems clear that using it to control a single robot would be permissible. I have no idea if you can use amateur frequencies to allow two independent robots to communicate with each other, for non-pecuniary purposes, of course.

Eric Johnson

2615. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-28 08:51:42 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0211280845480.18358-100000@exp.bde-arc.ampr.org>
Source record: 4739

On 27 Nov 2002, wej3715 wrote:
>Legally, ham operators aren't allowed to encrypt the
>data they transmit over amateur wavelengths, if I
>understand it correctly.

Correct. However, remember that encryption is a transformation made to obscure the content of the transmission, while compression is a transformation made to make the content of the transmission smaller (or otherwise more efficient). Although encryption is not allowed, compression is.

>I'm curious about what happens if you want to connect
>to a machine that only allows encrypted connections
>such as ssh or a VPN.

Too bad. You'll have to find another radio service for wireless communication.

>I'm thinking of getting my license for the purpose of
>digital communications. (I've never had any interest
>in seeing if I can talk to someone in every country
>or anything like that.)
>
>But as a grad student at Texas A&M (one of the oldest
>at the moment, I suppose) I would like to be able to
>connect to A&M via the university's VPN service. But
>that would encrypt all communications over the link.

Sounds like what you need is a wireless lan card, which operates under part 15, so no license is needed. Take a look at 47 CFR 15.247 specifically - one can use up to 1 watt and directional antennas (if point to MULTI-point, else the power must be reduced by an equation given in the subsection).

>What's the status on that? Are there any exceptions
>for cases when you really can't get around it?

I don't believe there will ever be an exception. It keeps spies out of amateur radio.

2616. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-28 08:54:05 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0211280853070.18358-100000@exp.bde-arc.ampr.org>
Source record: 4740

On Wed, 27 Nov 2002, Jake Brodsky wrote:
>On 27 Nov 2002 11:36:31 GMT, wej3715@scully.tamu.edu (wej3715) wrote:
>>There is a fairly wide leeway for students. You obviously
>>can't use the school's network for commercial purposes.
>
>We're not just talking about commercial purposes. Ham radio operation
>also prohibits foul language and music. This effectively prohibits
>the use of many, if not most newsgroups. Ultimately, ham radio
>operation will also require the presence of a control operator who
>reviews all traffic. This means that someone is required to MONITOR
>EVERY PIECE OF TRAFFIC being sent.

The foul language part would also prohibit rec.radio.amateur.policy!!!!! :-)

>Amateur radio is about learning the art and science of radio
>communications. Your computer network notions are NOT what ham radio
>is for.
> ...

2617. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-28 10:48:38 UTC
From: wej3715@fox.tamu.edu
Message-ID: <as4sa6$1em$1@news.tamu.edu>
Source record: 4741

Charles, N5PVL (n5pvl@sbcglobal.net) wrote:
: You are by no means the first college student to get the bright idea that
: Ham Radio is the answer to their Internet connectivity problems. Since folks
: like yourself are swimming around in the university environment, the rules

Not exactly like me. I'm more than twice as old as the vast majority
of students at A&M. I even had one class a couple of years ago that I
took the prerequisite for well before anyone else in the class was
born and possibly while the prof was still in diapers.

: and laws that protect and define this hobby are always seen as an
: unreasonable inconvenience, something to try to "get around"... Some of them
: even end up butting heads with the laws of physics!

Always?

I don't necessarily see them as unreasonable. I was hoping
there might be some exceptions, but I didn't hold out a
lot of hope. Like I said elsewhere, I was pretty sure I
already knew the answer, but not being an expert in the
field, I figured there could easily be exceptions without
my knowledge.

: All of them end up being bitter when reality soaks in, and we get to see a

I'm not bitter at all. I'm rather surprised at the
responses here.

: few variations on the basic temper tantrum. Almost all of them eventually

Is there much difference between a basic temper tantrum
and the hostility shown as a reslt of asking a simple,
straight-forward, honest question?

: end up bad mouthing the hobby, which is strange because they seldom show any
: genuine interest in the hobby itself. - They're just looking for a freebee,
: an easy out, or an alternative to knowing what they are doing in the IT
: field, and doing it right.
:
: My theory is that there is a misleading Linux FAQ or doc somewhere that
: keeps steering people the wrong way, otherwise this situation would not be
: so tiresomely familiar.

I haven't read any Linux FAQ's.

I have been familiar with HAM radio since I was in elementary
school as a result of knowing several people, including one
brother, who had their amateur licenses.

But I never was interested in it at all until I learned about
packet in the late 80s. At the time, I was the head of R&D
for a small, high-tech company that was quite short on money
and which eventually went bankrupt. Because of that, I didn't
have the cash to spend on anything that wasn't relatively
necessary. Besides, I had my first Internet account at the
time and was occupied with exploring the Internet. So I
didn't seriously look at amateur radio again until I started
seeing that it might be a worthwhile, but for computer
communications, not voice.

: Whatever the cause, the end result is a lot of time and bandwidth wasted
: here, explaining the same information over and over to people who are
: supposed to know how to find out things for themselves. Then they get

You need a FAQ. Then you can tell them to read the FAQ and
then ask questions.

: arrogant and nasty when they are told that they are not exempted from the
: rules. It gets real old, real fast.
:
: Ham Radio has a lot to offer - if your primary interest is radio. If your
: main interest is not radio, then of course Ham Radio may not be relevant to
: those interests. That's the situation the FCC's PART97 rules are there to
: ensure when they define the hobby. Without those rules, this great hobby
: would soon cease to exist. Persons like yourself would gladly undermine the
: hobby in the cause of momentary expedience.

Like myself? You are already clearly stereotyping me as some
recent high school grad out to set the world on fire.

: It's nothing personal, it's just that you are a carbon copy of several
: hundred other guys who got the same "bright" idea in the past, and had to

Not hardly.

: have the hose turned on them so they'd quit humping around the yard. The
: whole situation is like - really old.
:
: Tell you what: Hang out here and be the official guy who chases off IT
: students who have been led astray for a while. Watch yourself developing
: precisely the same attitude I have. Oh, you'll be all sweet and light at

I've had worse. If you really want to have fun, try teaching
math to college athletes at a small university who are more
interested in playing football and goofing off than in studying.

Besides, I wouldn't be interested in chasing them off. From
everything I've heard and seen, I suspect that some of them
might be exactly the type that amateur radio needs.

And, for what it's worth, back in my undergraduate days, a fair
number of the brightest computer science students had their
amateur radio licenses before they graduated. They weren't

out to subvert amateur radio.

: first, but give it a little time.. You'll see what I mean. Give it a little
: time, then imagine several years of it.

That's one of the nice things about FAQs.

I have a question for you.

Considering that packet radio (i.e. pre-ham packet radio) was
such a fertile ground for learning how to do networking, why
does it seem that little of the innovation in using radios for
computer communications is being done by the ham radio community?

I'm really puzzled by that.

Eric Johnson

2618. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-28 11:10:17 UTC
From: wej3715@fox.tamu.edu
Message-ID: <as4tip$2bn$1@news.tamu.edu>
Source record: 4742

D. Stussy (kd6lvw@bde-arc.ampr.org) wrote:
: Correct. However, remember that encryption is a transformation made to obscure
: the content of the transmission, while compression is a transformation made to
: make the content of the transmission smaller (or otherwise more efficient).
: Although encryption is not allowed, compression is.

I wondered about that.

Also, one method of keeping your password from being
stolen while logging onto a system with telnet and/or
ftp is to use a one time password or set of passwords.
Since that is designed to obscure your password in a
manner of speaking, would that be considered to be
encryption for the purpose of obscuring the content?

Eric Johnson

2619. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-28 12:19:13 UTC
From: "Charles, N5PVL" <n5pvl@sbcglobal.net>
Message-ID: <5RnF9.58$qn.49637493@newssvr12.news.prodigy.com>
Source record: 4743

"wej3715" <wej3715@fox.tamu.edu> wrote in message
news:as4ducjsp1@news.tamu.edu...
> Steve, K5OKC (k5okc@nojunk.cox.net) wrote:
> : "wej3715" <wej3715@fox.tamu.edu> wrote
>
> Am I wrong in thinking ham radio is about a lot more than
> communications with other countries? I thought it was
> supposed to be about progress, not maintaining the status quo.

If by "progress" you mean setting aside the FCC regs for your own personal convenience, then the answer is no, ham radio is not about "progress".

>
> I'm under the impression that years ago, work in the ham
> radio bands was often leading edge. For example, one old
> ham friend of mine once told me that the first person who
> managed to successfully bounce a signal off the moon to
> communicate with someone a pretty good distance away (Virginia
> to Hawaii, or something like that) was a ham.

"If I do not get my way, the grapes must be sour... Ham Radio must have really gone downhill."

Did those moonbounce experiments involve breaking the law, or circumventing the FCC regs? Nope.

Was it all done to benefit a single college student who is either too cheap or too stupid to do his work correctly? No again.

Try to keep in mind the fact that it is only you who sees yourself as the center of the universe. To everybody else, you're just some whiney jerk who is out to see what he can get away with. Dime a dozen material. About as unique and special as a beer fart on Saturday night.

Do the instructors and administrators at A&M know what you are up to? Are they aware of the way you have disrupted this discussion with off-topic whining about wanting to bend the rules? Do they know that you throw little temper tantrums when you don't get your way, and go around insulting people when you don't get the answers you wanted?

If not, that can easily be remedied with a few phone calls and e-mails to the IT department there at A&M.

Charles, N5PVL

2620. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-28 14:06:36 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <MppF9.41279$ji1.10469@news1.central.cox.net>
Source record: 4744

"wej3715" <wej3715@fox.tamu.edu> wrote
>
> The objection seems to be some rather
> shadowy assertion of a problem with pecuniary interest. But
> where does the pecuniary interest come in since I am not an
> employee of Texas A&M University and have not been an employee
> of Texas A&M University since 1980, the connection would not
> involve any kind of payment in cash, goods, or services. I'm
> still waiting for a real answer on that with the rationale
> behind it.

Eric,

All universities have acceptable use policies, and they have a fee for service. It might be included in the tuition, or could be listed as a lab fee, or computer fee. It is not free to the students. It is a major investment by the university, and must be secure from theft or abuse. I know of no university which would allow a student to extend their network to amateur radio. They used to allow that many years ago, when their networks were not the major investment they are now.

This fee for service is the pecuniary interest. You are using a commercial service (schools are just as commercial as AOL, but may be cheaper) that you merely pay money to use.

Ham radio, being a hobby, cannot interface to commercial entities.

If you were to use a university network to tunnel between two amateur radio stations, than this would be legal, as there is no link to the internet. Hams do have networks that connect to the Internet, but they are responsible for all data that enters the ham radio bands. Anything that is illegal is subject to a fine and loss of privilege.

2621. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-28 14:15:31 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <7ypF9.41282$ji1.40554@news1.central.cox.net>
Source record: 4745

"wej3715" <wej3715@fox.tamu.edu> wrote
>
> Am I wrong in thinking ham radio is about a lot more than
> communications with other countries? I thought it was
> supposed to be about progress, not maintaining the status quo.

Ham radio is a radio hobby. It has no limits. However, it
cannot be interfaced to commercial systems willy-nilly.
Take the telephone example you used. Hams use autopatch
devices for emergencies, and they also use them for fun.
They must limit how these interfaces are used. You couldn't
call a phone sex company, a pimp, or a drug dealer. Same
with the Internet. You can connect ham radio to the Internet,
but you are then responsible for all relay, and to make sure it
isn't just a replacement for AOL.

> I'm under the impression that years ago, work in the ham
> radio bands was often leading edge. For example, one old
> ham friend of mine once told me that the first person who
> managed to successfully bounce a signal off the moon to
> communicate with someone a pretty good distance away (Virginia
> to Hawaii, or something like that) was a ham.

Ham radio is leading edge in many things. Take the software
defined radio. Where can you buy one commercially? There's
a new modem designed almost every week that uses a sound
card. How many commercial companies do that? Depends
on what you mean by leading edge I guess. Connecting to the
Internet is not leading edge.

2622. Last time I saw the14thdisciple ...

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-28 14:32:37 UTC
From: deano@cytag.nl
Message-ID: <2e3b9027.0211280632.4753d083@posting.google.com>
Source record: 4746
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur,alt.radio.international,alt.radio.internet

... The last time I saw the14thdisciple he was busy stuffing 2 of every kind of animal he could find into his trousers, saying something about '40 days and 40 nights' and 'got to keep the beavers DRY!'

It's possible he ran out of room in his pants or perhaps became swamped by the larger creatures (elephants, giraffes - you get the picture?)

We've put out a call to the local hospitals but unless we come across someone with a zoo down his knickers we're unlikely to find him easily ....

Let us know if you see him? Listen to www.cytag.nl/listen.ram with RealAudio for regular updates. In the meantime we'll play you topnotch music, bring you items from Doctor Partz, Francis Walkfoot, Soloman Beasts plus comedy * chat with me, DeanoDeano and - of course - the14thdisciple!

Hugs
Deano

Glen Miller - alive and trapped beneath a GREAT BIG TUBA!
the14thdisciple & Freands www.cytag.nl/listen.ram Tuesdays 7 - 11pm GMT

2623. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-28 15:59:13 UTC
From: Ham-in-a-can <I.B.Ondaily@on.the.air.con>
Message-ID: <as5egj$9c5$1@news.chatlink.com>
Source record: 4747

Eric,

If you read my post carefully, which you did not. This issue would have to be decided by the FCC Legal Consul Mr. Hollingsworth and in light of his recent group of Notice of Violations covering such violatoins as alternator whine on a signal and people using 146.520 too much, he might considered it to be commerical.

Another point is what kind of activity is attending college? Those who attend college pay a fixed sum of money to receive a fixed amount of credits toward a degree for a predetermined amount of expended labor. Sounds like a commercial activity to me but then again I am only an MSEE, so I would not understand that kind of high level thinking, like someone with a PhD.

You are so typical of people on the internet who are quick to citizen with your view of reality that you never see to the big picture. Sorry, to insult your intelligence with my dribble but, after several years of spending time deal with FCC regulatory issues at a radio common carrier it made sense to me. Remember the FCC is just like your local Cops in that they make money by issuing tickets.

I spent 5 years work communications in the DC area and the saying out there was "Money Talks and Bull Shit Walks", so you go figure how they will rule.

3's to ya good bud.

from The Ole Ground Hawg Tahn Fer

"wej3715" <wej3715@scully.tamu.edu> wrote in message
news:as29ja$g4n$1@news.tamu.edu...
> Ham-in-a-can (I.B.Ondaily@on.the.air.con) wrote:
> : Two issue exist here:
> :
> : 1. Encryption of data
> : 2. Commercial use
> :
> : Issue 1 is clear cut all traffic on the Ham Bands has to be plain view,
this
> : is a violation.
> : Issue 2 is interpretive, judging how Mr. Hollowingsworth (FCC Lawyer and
> : Chief Enforcer of Regs in case you did not know) is issuing violation
> : notices
> : lately, he would probably issue one on this and then review. College
> : communication after all is not for the public good but for the good of
one
> : person.

>
> You mean that accessing a research journal while working on your
> PhD is classified as "commercial use"?
>
> I never would have expected that.
>
> Eric Johnson

2624. Re: 9600 and 19.2 kb

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-28 17:45:01 UTC
From: "William H. O'Hara, III" <whoohara@yahoo.com>
Message-ID: <Xns92D481B4A372DAlphaCentauriAAAHAWK@65.100.3.61>
Source record: 4748

> We tend to put our packet nodes up at 900 ft. so they be accessed
> throughout most of the lower Rio Grande Valley. Because of that, not
> many packet nodes are really necessary here. The land is as flat as a
> billiard table, and the ground water is salty. (Perfect ground) - So
> we get good coverage.

Hey..
I have been wondering about this. 900 ft?
In the Boston area people are excited about the
coverage of the Boston repeater. I believe that
this 2 meter machine has the highest installed
antenna ontop of 30(approx) story building. The
coverage can reach NJ and PA or Nova Scotia to
the north. This is quite an area.

How do you even physically get something at
900 ft either? I assume that this isn't a typo
as you said 400 feet for APRS!

bill
KB1IUB

2625. Re: PK-232 vs Kam 98?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-28 22:03:18 UTC
From: Ray D <ray.101@ntlworld.com>
Message-ID: <3DE692A6.F4BFE2AD@ntlworld.com>
Source record: 4749

Bill wrote:
>
> Is there an upgrade for the PK-232MBX to bring it to the level of the Kam98
> functionality?

Bill

Have a look at http://www.timewave.com in the Amateur section - there is
an upgrade but it is expensive and only available direct from Timewave.

Regards

Ray

2626. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-29 00:06:42 UTC
From: wej3715@fox.tamu.edu
Message-ID: <as6b2i$9to$1@news.tamu.edu>
Source record: 4750

Steve, K5OKC (k5okc@nojunk.cox.net) wrote:
: "wej3715" <wej3715@fox.tamu.edu> wrote
: >
: > The objection seems to be some rather
: > shadowy assertion of a problem with pecuniary interest. But
: > where does the pecuniary interest come in since I am not an
: > employee of Texas A&M University and have not been an employee
: > of Texas A&M University since 1980, the connection would not
: > involve any kind of payment in cash, goods, or services. I'm
: > still waiting for a real answer on that with the rationale
: > behind it.
:
: Eric,
:
: All universities have acceptable use policies, and they have a fee
: for service. It might be included in the tuition, or could be listed
: as a lab fee, or computer fee. It is not free to the students. It is
: a major investment by the university, and must be secure from
: theft or abuse. I know of no university which would allow a
: student to extend their network to amateur radio. They used to
: allow that many years ago, when their networks were not the
: major investment they are now.

They would not allow the network to be opened up to just anyone
that is using amateur radio. In fact, anyone not authorized by
the University to connect to the network would be in violation
of the Texas Penal Code.

They do permit some kinds of traffic that may be in the clear
as long as the passwords to the accounts are not divulged. They
do this with the use of one time passwords that change with
every login.

But they do allow you to use a VPN to include your own computer
as part of the network. This is secure and permissible. For
many things, it may be the only acceptable method of access.

For example, while I can telnet into certain servers and
use a one time password (actualy 6 of them with each login),
I would only have direct access to that machine. If I needed
to connect to other machines from there, that would involve
transmitting the username and passwords for those other
machines in the clear. And that is not acceptible.

For those who live close enough, they also have their own DSL
service that allows students, faculty, and staff direct access

inside the firewall. By the nature of the transactions involved,
I readily concede that this is very likely a commercial service.

When abiding by their rules, as I have always done and will
always do, there is little threat of abuse and there is no
way that I would use the connection for any kind of theft.

By the way, I believe that quite a few students do use the
license-free services to tie their computers to the University
network. For example, many students have set up wireless
networks at home. If a student creates a VPN connection from
one computer in the house and uses wireless to tie another
computer to the computer with the VPN connection, that is
exactly what you would have.

Another possibility would be for someone with the Texas A&M DSL
connection to connect a wireless access point to the modem so
they could access the network from anywhere in the house or
apartment.

I haven't heard of any prohibitions on this practice. I
asked a similar question a couple years ago and got a
response that the student is held responsible for whatever
comes through his connection.

: This fee for service is the pecuniary interest. You are using a
: commercial service (schools are just as commercial as AOL,
: but may be cheaper) that you merely pay money to use.

I think that for this to be a commercial activity, the
purchase of the service would need to be voluntary on
the part of the purchaser and seller. But the fee is
charged to every student whether or not they ever use
the computer networks. It is quite possible, especially
in some of the liberal arts, that a student could earn
a bachelor's degree without using any computing resources
at the university. But he would still be required, as
a student, to pay the fee.

: Ham radio, being a hobby, cannot interface to commercial
: entities.

How about using a telephone patch to place an order at a
restraunt? Isn't that permissible? A restraunt is, of
course, clearly a commercial entity by any interpretation.

Yeah. I know that it is a specific exception that has been
clearly spelled out, but I just wanted to point out that there
are exceptions.

: If you were to use a university network to tunnel between two
: amateur radio stations, than this would be legal, as there is no
: link to the internet. Hams do have networks that connect to the

: Internet, but they are responsible for all data that enters the
: ham radio bands. Anything that is illegal is subject to a fine and
: loss of privilege.

How do they connect to the Internet? Does someone at some point pay for the local connection? It would seem that just about any open or semi-open access to the Internet would involve a commercial entity at some point. If the local club pays for the access does that make it non-commercial? So how do the networks connect to the Interet without someone paying for the connection? Or does someone else pay the connection fee in order to get around the rule?

So the argument is that because there is a computer fee, that makes it commercial and thus of pecuniary interest? That is an interesting argument, but I'd certainly want to hear the the FCC's opinion on whether or not it is a commercial service. I find it very difficult to imagine that they would argue that.

By the way, I appreciate receiving a serious response to the question. Thanks.

Eric Johnson

2627. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-29 00:14:05 UTC
From: wej3715@fox.tamu.edu
Message-ID: <as6bgd$9to$2@news.tamu.edu>
Source record: 4651

Steve, K5OKC (k5okc@nojunk.cox.net) wrote:
: Connecting to the
: Internet is not leading edge.

That's true. But it can be. For example, what if you devised
a more efficient protocol for the connection?

How about if you built a radio link for computers using
ultra wide band (assuming, of course, that it were legal
to use it for that purpose).

For that matter, what is the status on ultra wide band? The
only rules I've seen were pretty restrictive. Is it permissible
for hams to experiment with it?

Eric Johnson

2628. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-29 00:21:17 UTC
From: wej3715@fox.tamu.edu
Message-ID: <as6btt$9to$3@news.tamu.edu>
Source record: 4652

Ham-in-a-can (I.B.Ondaily@on.the.air.con) wrote:
: Another point is what kind of activity is attending college? Those who
: attend college pay a fixed sum of money to receive a fixed amount of credits
: toward a degree for a predetermined amount of expended labor.

You never took one of my math classes.

Getting any kind of credit was not automatic at all no
matter how much tuition they paid. And with that pay
scale, I had the attitude that I wasn't going to inflate
grades. If they didn't like it, I could go back to a
regular computer job for a higher salary.

Eric Johnson

2629. Re: 9600 and 19.2 kb

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-29 00:34:46 UTC
From: "Charles, N5PVL" <n5pvl@sbcglobal.net>
Message-ID: <GCyF9.170$Nz4.132086826@newssvr12.news.prodigy.com>
Source record: 4653

"William H. O'Hara, III" <whoohara@yahoo.com> wrote in message
news:Xns92D481B4A372DAlphaCentauriAAAHAWK@65.100.3.61...
> > We tend to put our packet nodes up at 900 ft. so they be accessed
> > throughout most of the lower Rio Grande Valley. Because of that, not
> > many packet nodes are really necessary here. The land is as flat as a
> > billiard table, and the ground water is salty. (Perfect ground) - So
> > we get good coverage.
>
>
> Hey..
> I have been wondering about this. 900 ft?
>snip<
> bill
> KB1IUB

There is a "farm" of several 1000 ft. towers conveniently located in La Feria TX to cover the bulk of the lower Rio Grande Valley, on both sides of the border. Some are for TV, others for commercial radio services. Space on some of these towers has been donated to Amateurs here.

We don't climb those towers. Only professional climbers do that. What we do is hook our stuff up to special antennas/feedlines already in place that handle several radios at once. One small drawback is that we must have seperate transmitters and recievers due to the antenna setup on those towers, even for single port packet nodes. For repeaters, it's done that way anyway of course. Seperate transmitting and recieving antennas. The heliax is as big around as my arm, the combiners have a forest of pigtails going into them. It's in a nice air-conditioned building at the base of the tower. Everything has to be neat and "ship-shape", in a metal cabinet. We can leave a keyboard and monitor out on top of the cabinet for a packet node, but that's about as junky as it gets.

Besides these big towers, there are 400-500 ft. towers dotted around the Valley. We use these for a linked repeater system and sometimes for packet stuff. The linked repeater system gives you handy-talkie access throughout most of the Valley, something the centrally located repeaters at 900 ft. can't always deliver.

Since the RGV is semi-tropical like Florida, we get Hams here from all over the country. Lots of great Hams. The ground is almost perfect due to the high water table of salty water from the gulf. The big drawback down here is the corrosive salty dust that blows in from the coast and coats antennas, eventually eating them up. Other than that, it's Ham Radio heaven down here.

I've noticed that the repeater on South Padre Island always seems to need work during spring break. Why do those guys need binoculars in order to go

up on top of a hotel and fix a repeater?

Charles, N5PVL

2630. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-29 03:08:01 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <ISAF9.29431$vM1.2267053@bgtnsc04-news.ops.worldnet.att.net>
Source record: 4654

"wej3715" <wej3715@fox.tamu.edu> wrote in message
news:as6bgd$9to$2@news.tamu.edu...
> Steve, K5OKC (k5okc@nojunk.cox.net) wrote:
> : Connecting to the
> : Internet is not leading edge.
>
> That's true. But it can be. For example, what if you devised
> a more efficient protocol for the connection?

You didn't.

> How about if you built a radio link for computers using
> ultra wide band (assuming, of course, that it were legal
> to use it for that purpose).

You didn't.

> For that matter, what is the status on ultra wide band? The
> only rules I've seen were pretty restrictive. Is it permissible
> for hams to experiment with it?

Read Part 97.

--

... Hank

Chaos, panic, and disorder - my work here is done.

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2631. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-29 03:09:38 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <STAF9.29432$vM1.2267273@bgtnsc04-news.ops.worldnet.att.net>
Source record: 4655

"wej3715" <wej3715@fox.tamu.edu> wrote in message
news:as6btt$9to$3@news.tamu.edu...
> Ham-in-a-can (I.B.Ondaily@on.the.air.con) wrote:
> : Another point is what kind of activity is attending college? Those who
> : attend college pay a fixed sum of money to receive a fixed amount of
credits
> : toward a degree for a predetermined amount of expended labor.
>
> You never took one of my math classes.

Do not be too certain about that.
There are folks here who could well have taught that class.

> Getting any kind of credit was not automatic at all no
> matter how much tuition they paid. And with that pay
> scale, I had the attitude that I wasn't going to inflate
> grades. If they didn't like it, I could go back to a
> regular computer job for a higher salary.

Again a really ignorant response.
Are you wearing your sign?

--

... Hank

Chaos, panic, and disorder - my work here is done.

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2632. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-29 04:13:57 UTC
From: wej3715@scully.tamu.edu
Message-ID: <as6pi5liq1@news.tamu.edu>
Source record: 4657

Hank Oredson (horedson@att.net) wrote:
: > That's true. But it can be. For example, what if you devised
: > a more efficient protocol for the connection?
:
: You didn't.
:
: > How about if you built a radio link for computers using
: > ultra wide band (assuming, of course, that it were legal
: > to use it for that purpose).
:
: You didn't.

Oh. I see. You already have to develop everything you
might ever do with amateur radio before you become a ham.

I didn't know that.

Eric Johnson

2633. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-29 04:30:11 UTC
From: Don Hoffman <nospam@dhoffman.net>
Message-ID: <pomduu00s0ppu574i3ipvnmvf7286elepd@4ax.com>
Source record: 4656

On 28 Nov 2002 11:10:17 GMT, wej3715@fox.tamu.edu (wej3715) wrote:
>Also, one method of keeping your password from being
>stolen while logging onto a system with telnet and/or
>ftp is to use a one time password or set of passwords.
>Since that is designed to obscure your password in a
>manner of speaking, would that be considered to be
>encryption for the purpose of obscuring the content?
>
>Eric Johnson

Generally, encryption for the purposes of authentication is allowed in the amateur service. E.g, authentication protocols such as PPP/CHAP are probably fine. Even SSL/TLS or SSH certificate-based >authentication< would probably also be OK if you used null encryption for actual data transport. So you don't really have to go as far as one-time passwords.

The one exception in Part 97 that I am aware of is that encryption of the tracking, telemetry and command stream (i.e. TT&C) between a controlling ground station and an amateur satellite is allowed (so that someone can't hack the satellite).

Also, folks are not entirely correct in saying that most/all university Acceptable Use Policies (AUPs) would prohibit connecting the university network to an un-encrypted (i.e., clear text) amateur radio data link.

First, if the link is effectively "outside" their firewall and you use appropriate protocols, this would most certainly be allowed (by the university...still the issue with the FCC). For example, most uni's allow POP/IMAP from outside to access email. If you use an authentication mechanisms like CRAM-MD5, DIGEST-MD5 or APOP, your password will not be sent in the clear. (Although, of course, the transferred content will be visible). You could do terminal login using SSH key-based authentication (with encryption turned off, of course).

Second, most would allow it for research or educational purposes. (But probably only if they were convinced that you knew what you were doing and had appropriate "adult" supervision.)

Now the FCC is another matter. Although I disagree with the sanctimonious tone taken by some of the other posters (hardly an example of good "elmering"), their conclusions about the acceptability of using a amateur radio link mostly for non-amateur radio purposes are probably correct. Although Part 97 is not always black and white

on this (except in cases with obvious commercial/illegal purpose), the intent is that ham radio resources don't get tied up for non-amateur radio purposes.

Experimentation with and deployment of TCP/IP-based communications over amateur digital links, and provisioning of gateways to the Internet is a valid use of the amateur radio service, IMHO. (As much so as an autopatch.) The key is in purpose of the traffic thus carried, and the same restrictions as on an autopatch should apply.

Don Hoffman

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2634. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-29 06:31:19 UTC
From: wej3715@scully.tamu.edu
Message-ID: <as71jn$1p8$1@news.tamu.edu>
Source record: 4658

Don Hoffman (nospam@dhoffman.net) wrote:
: On 28 Nov 2002 11:10:17 GMT, wej3715@fox.tamu.edu (wej3715) wrote:
: >Also, one method of keeping your password from being
: >stolen while logging onto a system with telnet and/or
: >ftp is to use a one time password or set of passwords.
: >Since that is designed to obscure your password in a
: >manner of speaking, would that be considered to be
: >encryption for the purpose of obscuring the content?
: >
: >Eric Johnson
:
: Generally, encryption for the purposes of authentication is allowed
: in the amateur service. E.g, authentication protocols such as
: PPP/CHAP are probably fine. Even SSL/TLS or SSH certificate-based
: >authentication< would probably also be OK if you used null encryption
: for actual data transport. So you don't really have to go as far as
: one-time passwords.

Good. I'm very happy to see that it is permissible to
use encryption techniques to protect your passwords.

I figured that with the recent emphasis on security issues, it
would be unusual if that option wasn't available soon. From
the September draft of The National Strategy to Secure Cyberspace,
page 5:

The Federal government should not and, indeed, could not
secure the computer networks of privately own banks,
energy companies, transportation firms, or other parts
of the private sector. The Federal government should
not intrude into homes and small busineses, into
universities, or local agencies and departments to
create secure computer networks.

Each American who depends on cyberspace, the network of
information networks, must secure that part that they
own or for which they are responsible.

I wonder if there will be any new rules to further secure
ham radio connections to the Internet. Do the ham radio
gateways generally authenticate their users or do they
assume that anyone accessing them is a licensed amateur
operator?

: The one exception in Part 97 that I am aware of is that encryption of
: the tracking, telemetry and command stream (i.e. TT&C) between a

: controlling ground station and an amateur satellite is allowed (so
: that someone can't hack the satellite).
:
: Also, folks are not entirely correct in saying that most/all
: university Acceptable Use Policies (AUPs) would prohibit connecting
: the university network to an un-encrypted (i.e., clear text) amateur
: radio data link.

In the cae of A&M, opening up the network itself in a manner
which permits people who are not authorized to use the network
is certainly prohibited by university rules. However, I haven't
seen any prohibitions on users of the Texas A&M DSL using
wireless in the home. So I wouldn't be at all surprised if there
are a number of vulnerable openings directly into the university
network that are accessible by wireless. I'd be surprised if any
of these were on the ham bands.

: First, if the link is effectively "outside" their firewall and you use
: appropriate protocols, this would most certainly be allowed (by the
: university...still the issue with the FCC). For example, most uni's
: allow POP/IMAP from outside to access email. If you use an
: authentication mechanisms like CRAM-MD5, DIGEST-MD5 or APOP, your
: password will not be sent in the clear. (Although, of course, the
: transferred content will be visible). You could do terminal login
: using SSH key-based authentication (with encryption turned off, of
: course).

That's a good idea. I hadn't thought about using SSH but with
encryption turned off. I use SSH daily (like right now), but
I have always left the encryption turned on.

: Second, most would allow it for research or educational purposes.
: (But probably only if they were convinced that you knew what you were
: doing and had appropriate "adult" supervision.)

There is a ham radio club at A&M. My guess is that if they
maintain a ham-based Internet connection for students who
are ham operators, CIS (Computer Information Services) would
take a very close look at what they are doing and would either
require a firewall approved by CIS and under their control or
would provide a connection outside the firewall.

CIS and others are also actively installing regular wireless systems
in various buildings around campus including the libraries and the
dining halls. But those are outside the firewall. If you are
using your laptop in the library and you need access inside the
firewall, you have to use VPN to access the campus network even
though you are on campus. If you are in the main library, you
can even check out a laptop to use while there.

I don't know how the wireless research is done. My guess is
that internal firewalls are used to make sure that the internal

networks are not exposed.

: Now the FCC is another matter. Although I disagree with the
: sanctimonious tone taken by some of the other posters (hardly an
: example of good "elmering"), their conclusions about the acceptability
: of using a amateur radio link mostly for non-amateur radio purposes
: are probably correct. Although Part 97 is not always black and white
: on this (except in cases with obvious commercial/illegal purpose), the
: intent is that ham radio resources don't get tied up for non-amateur
: radio purposes.

I think I see what you are getting at. Accessing a research paper
from the library is not a ham radio hobby activity. But then I
wouldn't think that using a phone patch to call your wife to tell
her you'll be home in 5 minutes would be a hobby either.

So while I think I see what you mean, I'm not completely sure I
see the distinction between that and some other amateur radio
activities that are not directly hobby related.

When a ham uses his radio connection for Internet access, are
the things accessed strictly things related to amateur radio?
I can see that accessing the ARRL's web site or the FCC web site
would be permissible as well as doing things like communicating
with each other via the Internet when needed.

But how about things like checking out the latest news from CNN?
Or looking up a recipe for your wife? Would those be considered
hobby related and permissible? If those aren't permissible, then
it would be clearly not permissible to access a research paper
from the library on the connection as well. If they are
permissible, I don't see the distinction.

: Experimentation with and deployment of TCP/IP-based communications
: over amateur digital links, and provisioning of gateways to the
: Internet is a valid use of the amateur radio service, IMHO. (As much
: so as an autopatch.) The key is in purpose of the traffic thus
: carried, and the same restrictions as on an autopatch should apply.

What are those restrictions? I've seen some, but I imagine there
are some that I don't know of.

Thanks. That was very informative and educational.

Eric Johnson

2635. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-29 12:00:59 UTC
From: "Charles, N5PVL" <n5pvl@sbcglobal.net>
Message-ID: <%FIF9.477$jn.396769344@newssvr30.news.prodigy.com>
Source record: 4659

"wej3715" <wej3715@scully.tamu.edu> wrote in message
news:as6pi5liq1@news.tamu.edu...
>
> Oh. I see. You already have to develop everything you
> might ever do with amateur radio before you become a ham.

More ham-bashing from the fellow who is too stupid to look over PART 97 for himself. That's gay.

Charles, N5PVL

2636. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-29 13:05:37 UTC
From: Jerry <jerrysplace2@juno.com>
Message-ID: <BCJF9.53739$2z1.18142591@twister.socal.rr.com>
Source record: 4660

So why don't you guys just forget all this nonesense, and just apply for a temporary experimental license explaining to the FCC what you want to do. They will most likely grant it for a period of time. A friend of mine and I did this, and we got a license that lasted several years, that was good for two frequencies just outside two ham bands. I see those types of licenses all the time for all sorts of reasons. You just have to explain what/where you are doing and most likely they will grant it..

de jerry...

"Don Hoffman" <nospam@dhoffman.net> wrote in message news:pomduu00s0ppu574i3ipvnmvf7286elepd@4ax.com...
> On 28 Nov 2002 11:10:17 GMT, wej3715@fox.tamu.edu (wej3715) wrote:
> >Also, one method of keeping your password from being
> >stolen while logging onto a system with telnet and/or
> >ftp is to use a one time password or set of passwords.
> >Since that is designed to obscure your password in a
> >manner of speaking, would that be considered to be
> >encryption for the purpose of obscuring the content?
> >
> >Eric Johnson
>
> Generally, encryption for the purposes of authentication is allowed
> in the amateur service. E.g, authentication protocols such as
> PPP/CHAP are probably fine. Even SSL/TLS or SSH certificate-based
> >authentication< would probably also be OK if you used null encryption
> for actual data transport. So you don't really have to go as far as
> one-time passwords.
>
> The one exception in Part 97 that I am aware of is that encryption of
> the tracking, telemetry and command stream (i.e. TT&C) between a
> controlling ground station and an amateur satellite is allowed (so
> that someone can't hack the satellite).
>
> Also, folks are not entirely correct in saying that most/all
> university Acceptable Use Policies (AUPs) would prohibit connecting
> the university network to an un-encrypted (i.e., clear text) amateur
> radio data link.
>
> First, if the link is effectively "outside" their firewall and you use
> appropriate protocols, this would most certainly be allowed (by the
> university...still the issue with the FCC). For example, most uni's
> allow POP/IMAP from outside to access email. If you use an
> authentication mechanisms like CRAM-MD5, DIGEST-MD5 or APOP, your
> password will not be sent in the clear. (Although, of course, the

> transferred content will be visible). You could do terminal login
> using SSH key-based authentication (with encryption turned off, of
> course).
>
> Second, most would allow it for research or educational purposes.
> (But probably only if they were convinced that you knew what you were
> doing and had appropriate "adult" supervision.)
>
> Now the FCC is another matter. Although I disagree with the
> sanctimonious tone taken by some of the other posters (hardly an
> example of good "elmering"), their conclusions about the acceptability
> of using a amateur radio link mostly for non-amateur radio purposes
> are probably correct. Although Part 97 is not always black and white
> on this (except in cases with obvious commercial/illegal purpose), the
> intent is that ham radio resources don't get tied up for non-amateur
> radio purposes.
>
> Experimentation with and deployment of TCP/IP-based communications
> over amateur digital links, and provisioning of gateways to the
> Internet is a valid use of the amateur radio service, IMHO. (As much
> so as an autopatch.) The key is in purpose of the traffic thus
> carried, and the same restrictions as on an autopatch should apply.
>
> Don Hoffman
>
>
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2637. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-29 14:33:34 UTC
From: "Dee D. Flint" <deehays@qix.net>
Message-ID: <2VKF9.3762$4j5.2139986@newssvr28.news.prodigy.com>
Source record: 4661

"wej3715" <wej3715@scully.tamu.edu> wrote in message
news:as71jn$1p8$1@news.tamu.edu...
> Don Hoffman (nospam@dhoffman.net) wrote:
> [snip]
> I think I see what you are getting at. Accessing a research paper
> from the library is not a ham radio hobby activity. But then I
> wouldn't think that using a phone patch to call your wife to tell
> her you'll be home in 5 minutes would be a hobby either.

The key to these exceptions is whether you are trying to avoid using regular commercial services. For example, if calling your wife is long distance over phone from your present location or is chargeable minutes on your cell phone but is a free call via the phone patch, then it is against the rules. Or if you do it all the time, it might be against the rules. On the other hand, if it is only occasional, it will generally fall within the rules. Afterall you do need to use the phone patches once in a while just to be familiar with their use in case it ever is necessary to use it. Practice in the form of occasional use would be within the realm of the hobby.

> [snip]
> But how about things like checking out the latest news from CNN?
> Or looking up a recipe for your wife? Would those be considered
> hobby related and permissible? If those aren't permissible, then
> it would be clearly not permissible to access a research paper
> from the library on the connection as well. If they are
> permissible, I don't see the distinction.

An issue here is that this service is available by regular commercial means (i.e. a commercial ISP). If using the radio service to tie into the university avoids paying ISP fees then it would probably not be permissible, at least not on a regular basis.

In addition, ham radio communications are fundamentally for the development of an amateur's radio skills. Yes it is true that hams in QSO talk about all kinds of non-radio stuff but they have to have something to talk about. They develop and maintain the skills to establish and maintain a communication under the evershifting conditions radio propagation regardless of the topic of conversation. Yet there are limits on what they can talk about. For example, a ham who regularly tries to sell radio gear over the radio is stepping over the line. The occasional piece of equipment is fine.

There will always be gray areas. As one use is ruled on and either allowed or disallowed, a new technological development generates new gray areas.

Dee Flint, N8UZE

2638. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-29 15:00:36 UTC
From: Don Hoffman <nospam@dhoffman.net>
Message-ID: <e5veuu4hfgurovpcnnt8gqgunbpq769n5k@4ax.com>
Source record: 4662

On Fri, 29 Nov 2002 13:05:37 GMT, "Jerry" <jerrysplace2@juno.com>
wrote:

>So why don't you guys just forget all this nonesense, and just apply for a
>temporary experimental license explaining to the FCC what you want to do.
>They will most likely grant it for a period of time. A friend of mine and I
>did this, and we got a license that lasted several years, that was good for
>two frequencies just outside two ham bands. I see those types of licenses
>all the time for all sorts of reasons. You just have to explain what/where
>you are doing and most likely they will grant it..
>
>de jerry...
>

Did your license allow commercial traffic? If so, then a very good
approach to the overall problem.

Otherwise, not a bad idea if one is playing with experimental
modulation techniques or link coding schemes. Probably overkill if
all that is being proposed is use of standard Internet protoocols over
amateur digital modes.

Don Hoffman

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2639. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-29 15:31:43 UTC
From: Dana Myers K6JQ <k6jq@arrl.net>
Message-ID: <3DE7885F.8060004@arrl.net>
Source record: 4663

I've tried to stay out of this discussion, but...

You don't need an experimental license for building
local, high-speed data links to run encrypted
traffic.

Off-the-shelf 802.11b hardware easily provides an
11mb/s solution at distances in excess of 10 miles.
A 24dBi-gain antenna is under $100, a PC-Card or
USB radio (i.e., 802.11b network card) is under $100.
The only high-ticket item might be a power amplifier,
these run something like $500 but have the advantage
of being mast-mounted and thus obviating feedline
loss. You might not need an amplifier even for a
longer link (5-10 miles) if you're willing run at
a lower speed, say 2 or 5.5 Mbp/s. In a point-to-point
link, Part 15 permits about +27dBm into an antenna/feedline
system with a total gain around +22dBi (that's a 24dBi
antenna and about 2dB of feedline loss to the antenna).

Part 15, no content restrictions, plug and play, and
it makes the 1200 baud vs. 9600 baud discussion look
positively arcane. I'm speaking from personal experience
here, too.

Dana K6JQ

Jerry wrote:

> So why don't you guys just forget all this nonesense, and just apply for a
> temporary experimental license explaining to the FCC what you want to do.
> They will most likely grant it for a period of time. A friend of mine and I
> did this, and we got a license that lasted several years, that was good for
> two frequencies just outside two ham bands. I see those types of licenses
> all the time for all sorts of reasons. You just have to explain what/where
> you are doing and most likely they will grant it..
>
> de jerry...
>
> "Don Hoffman" wrote in message
> news:pomduu00s0ppu574i3ipvnmvf7286elepd@4ax.com...
>
> >On 28 Nov 2002 11:10:17 GMT, wej3715@fox.tamu.edu (wej3715) wrote:
> >
> >>Also, one method of keeping your password from being
> >>stolen while logging onto a system with telnet and/or

> >>ftp is to use a one time password or set of passwords.
> >>Since that is designed to obscure your password in a
> >>manner of speaking, would that be considered to be
> >>encryption for the purpose of obscuring the content?
> >>
> >>Eric Johnson
> >
> >Generally, encryption for the purposes of authentication is allowed
> >in the amateur service. E.g, authentication protocols such as
> >PPP/CHAP are probably fine. Even SSL/TLS or SSH certificate-based
> >
> >>authentication< would probably also be OK if you used null encryption
> >
> >for actual data transport. So you don't really have to go as far as
> >one-time passwords.
> >
> >The one exception in Part 97 that I am aware of is that encryption of
> >the tracking, telemetry and command stream (i.e. TT&C) between a
> >controlling ground station and an amateur satellite is allowed (so
> >that someone can't hack the satellite).
> >
> >Also, folks are not entirely correct in saying that most/all
> >university Acceptable Use Policies (AUPs) would prohibit connecting
> >the university network to an un-encrypted (i.e., clear text) amateur
> >radio data link.
> >
> >First, if the link is effectively "outside" their firewall and you use
> >appropriate protocols, this would most certainly be allowed (by the
> >university...still the issue with the FCC). For example, most uni's
> >allow POP/IMAP from outside to access email. If you use an
> >authentication mechanisms like CRAM-MD5, DIGEST-MD5 or APOP, your
> >password will not be sent in the clear. (Although, of course, the
> >transferred content will be visible). You could do terminal login
> >using SSH key-based authentication (with encryption turned off, of
> >course).
> >
> >Second, most would allow it for research or educational purposes.
> >(But probably only if they were convinced that you knew what you were
> >doing and had appropriate "adult" supervision.)
> >
> >Now the FCC is another matter. Although I disagree with the
> >sanctimonious tone taken by some of the other posters (hardly an
> >example of good "elmering"), their conclusions about the acceptability
> >of using a amateur radio link mostly for non-amateur radio purposes
> >are probably correct. Although Part 97 is not always black and white
> >on this (except in cases with obvious commercial/illegal purpose), the
> >intent is that ham radio resources don't get tied up for non-amateur
> >radio purposes.
> >
> >Experimentation with and deployment of TCP/IP-based communications

> >over amateur digital links, and provisioning of gateways to the
> >Internet is a valid use of the amateur radio service, IMHO. (As much
> >so as an autopatch.) The key is in purpose of the traffic thus
> >carried, and the same restrictions as on an autopatch should apply.
> >
> >Don Hoffman
> >
> >
> >_____
> >Posted Via Uncensored-News.Com - Still Only $9.95 -
>
> http://www.uncensored-news.com
>
> > <><><><><><><> The Worlds Uncensored News Source
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2640. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-29 16:04:20 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <8eMF9.51219$ji1.46044@news1.central.cox.net>
Source record: 4664

"Dana Myers K6JQ" <k6jq@arrl.net> wrote
>
> Off-the-shelf 802.11b hardware easily provides an
> 11mb/s solution at distances in excess of 10 miles.

I had a 1.6 Mbps Symphony link (100 mW into an amp)
for a couple of years, and a RangeLAN2 link (500 mW)
for about another year. While I thought it was pretty neat,
and thought several people would jump on the bandwagon
(we were 64k ISDN before), it turned out that I was the
only one spending money. Even after we proved it worked,
the motto seemed to be "you build it, I will come."

Once Cox wired up everyone for cable modems, the thrill
was gone. Who wants shared 1 Mbps at about $1k a
node, when you can get 2 Mbps for $40 a month, eh.

Even now I get requests to give away my old equipment,
and I have to tell them I sold it all on eBay to people who
understand the value of cost/performance and ownership.

I would say that it is pretty much plug and play, we could
depend on every winter the link going out as ice changed
the feed, or the wind blew the antenna off its critical
heading alignment. I'd be up there in the wind, ice, and
rain trying to talk on a phone as we repointed them, or
chipped ice. Only then did I cuss wireless :-)

I'm thinking of putting up my dish on a rotator, and hook
it to the amp, and then swing it around to use my neighbors
wireless access point, which is in its linksys default setting :-)
It will save me $40 a month...

2641. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-29 16:40:52 UTC
From: Bruce Lane <SpammersAreVermin@dev.nul>
Message-ID: <MPG.1851386deb876bcd989a71@news.drizzle.com>
Source record: 4665

In article <as2vlt$8es$1@news.tamu.edu>, wej3715@fox.tamu.edu says...

<snip>

> I guess what confuses me is that there seems to be quite a
> few hams who use it for personal, non-pecuniary, reasons
> that have nothing to do with learning the art and science
> of radio communications.

I won't deny that there's quite a number of "Appliance Operators" Out There. That, however, does not change the guiding principles of ham radio. It remains today, as it always has been, a mostly tech-oriented hobby. Witness the technical content of the license exams.

Like many other things, you get out of ham radio exactly what you put into it. There are many hams who get their license simply to have a clear and (reasonably) long-distance form of communication outside of the CB arena.

While it is my personal view that such people would be better off with CB, the FRS, or perhaps GMRS, there is no law that says someone has to be a pure tech to get their ham license. You merely need to learn enough to pass the exam.

HOWEVER -- With that said, you're not going to get very much out of the hobby if you just want to use a radio without getting darned curious about what goes on inside its guts, and finding ways to improve on that WITHIN THE BOUNDS of FCC Part 97.

There's a repeater here in western WA, belonging to the Mike & Key ARC, which frequently has highly technical discussions go on over the air. Such discussions will usually glaze the eyes of an "appliance" operator within seconds, but they really have no one but themselves to blame.

I'll say it again. This is a technical hobby. The more you choose to teach yourself about radio guts, and the various circuit theories and practice that go along with them, the more you'll get out of it and the more you'll be able to give back to the hobby.

> It would seem to me that in this age, doing things with
> digital communications would fall more into the art and
> science than many other uses.

http://www.aprs.org

Need I say more? ;-)

> I figured the wardrivers would be over in the unlicensed
> bands. In any event, I live well away from any likely
> war drivers of any description.

A very dangerous assumption on both counts. Wardriving is still
fairly popular, and wireless nodes ANYwhere will, eventually, attract
wardrivers. It's a Murphy switch.

> Nonsense. You have to know what you're doing and use appropriate
> methods to control your security.

True, but the encryption methods of 802.11b are hopelessly weak.
Tools such as Airsnort, and Lord only knows how many 'cracking' programs,
can make short work of any wireless LAN.

Even basic DES encryption at the hardware level would make for a
much more secure environment. Unfortunately, it also adds cost and some
degree of complexity to the hardware involved. This means that the Joe
Consumer PeeCee crowd is most unlikely to want anything to do with it.

"Plug-and-Play" has its disadvantages.

--
Bruce Lane, Owner and Head Hardware Heavy,
Blue Feather Technologies -- http://www.bluefeathertech.com
Amateur Radio: KC7GR (Formerly WD6EOS) since 12-77.
kyrrin (a/t) bluefeathertech dot-com (Reassemble to use)
"I'll get a life when someone demonstrates to me it would be superior to
what I have now..." (Taki Kogoma)

2642. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-29 16:51:52 UTC
From: Don Hoffman <nospam@dhoffman.net>
Message-ID: <rc0fuuk59g1u5be934s6ajj0hmkn8boudd@4ax.com>
Source record: 4666

On 29 Nov 2002 06:31:19 GMT, wej3715@scully.tamu.edu (wej3715) wrote:

>
>I wonder if there will be any new rules to further secure
>ham radio connections to the Internet. Do the ham radio
>gateways generally authenticate their users or do they
>assume that anyone accessing them is a licensed amateur
>operator?

I doubt that the FCC will find it necessary/desirable to actually write any new rules. The current rule holding the operator of the gateway responsible for the traffic it puts on the amateur service is probably sufficient. BTW, it is not necessary that all traffic across the gateway be between hams. Obviously, the gateway can pass information to non-hams on the outside. I would expect that the normal rules for third-party traffic would apply.

It all works pretty well with traffic originating "inside" the gateway. Obviously, no ham will generate traffic that violates FCC restrictions :-). The different types of gateways differ in their policies toward traffic originating "outside" the gateway. One of my favorites (and the sort of thing that is encouraging me to upgrade my license) is the WinLink 2000 project (www.winlink.org). Briefly, they use the HF bands to carry email and APRS traffic that this then gatewayed to/from the Internet. They do allow traffic from non-hams to cross the gateway, and other than a few spam/blacklist filters, rely on the control operators at the gateway and the recipients inside the radio network to police content.

>In the cae of A&M, opening up the network itself in a manner
>which permits people who are not authorized to use the network
>is certainly prohibited by university rules. However, I haven't
>seen any prohibitions on users of the Texas A&M DSL using
>wireless in the home. So I wouldn't be at all surprised if there
>are a number of vulnerable openings directly into the university
>network that are accessible by wireless. I'd be surprised if any
>of these were on the ham bands.
>

Prudence would say that all 802.11 networks (even at home) that are using current version of WEP be placed "outside" the VPN'ed home network. For this very reason, I maintain a DMZ at home for my 802.11 networks. Back when I had a VPN in to various corporate networks, I considered this a minimum requirement to meet my "moral" obligations per the corporate AUP. (Plus, it would have been embarrassing for the Chief Network Architect's DSL link to be use as a wormhole for a

hacker :-)) These day cheap firewall boxes that allow such a function are easily available.

Practically speaking however, most enterprises don't try to police the home use of wireless, so they either don't trust any external link (and use appropriate authenticated protocols such as POP/IPMAP and SSH), or they allow VPN tunnels only to an individual desktop machine (with IP forwarding turned off for the forwarded packets). And even at that, they filter the VPN traffic for obvious intrusions and AUP violations.

Now all this being said, why do you consider VPN to be the only way to access university services? Most universities that I am aware of make key services available outside the firewall to authenticated users (e.g, POP/IMAP, SSH, HTTP authentication of various types). E.g., my wife is a professor at a local medical school. She is able to get to all important services (her email, PubMED, the university library catalog) from our home network without a VPN. On my home network, I use authenticated WebDAV to export various internal file systems to the Internet when I am traveling.

But that being said, it is easy to design/deploy a VPN protocol that does not encrypt the traffic and meets FCC amateur service requirements, but only allows traffic from authenticated users. Something on the order of IPSEC using just the Authentication Header is probably just right. Obviously, the AH-protected tunnel should extend between the remote end of the wireless link to some point within the trusted scope of the university network.

[snipped discussion of FCC acceptable use...]

>What are those restrictions? I've seen some, but I imagine there
>are some that I don't know of.
>

This is not an area of pure black and white. The idea is that to further the cause of amateur radio, certain non-amateur traffic is allowed (as someone else said, you need something to talk about :-)). So lighting will not strike if you order a pizza, send email to your brother, or occasionally browse CNN. It hinges on intent. If you are just trying to use the ham bands in lieu of commercial services, then that is a violation of the intent.

The problem is that intent is hard to prove. From a practical standpoint, the FCC is not going to bother with enforcement except in cases where the intent is easy to determine (e.g., obvious commercial traffic), or were a possible attempt to conceal intent is happening (e.g., encryption).

It is probably true that some of the traffic on the 2m repeaters is sent with the intent to violate the restrictions (Gasp...). So you will see actual usage scenarios that probably violate the spirit of FCC regulations. Generally, hams relay on social mechanisms to keep

this under control.

IMHO, limited universtiy-related traffic is probably ok, as long as
that was not your primary reason for deploying the link, and you, as
the control operator, are not getting paid for the traffic. I would
think the fact that YOU are probably paying the university is similar
to the ordering pizza scenario. (But if you are a teaching assistant,
and you send/recieve course material for the course you are TAing,
that would be a violation)

Don Hoffman

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2643. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-29 16:55:23 UTC
From: Bruce Lane <SpammersAreVermin@dev.nul>
Message-ID: <MPG.18513bd25bfd8813989a72@news.drizzle.com>
Source record: 4667

In article <as3agphuc1@news.tamu.edu>, wej3715@fox.tamu.edu says...

> Quite well, actually. It's based on math and I have two math
> degrees from the 70's.

Congratulations on mastering much in the theoretical realm.
Practice is frequently a very different can o'worms.

> How much real experimentation is actually done on amateur
> radio these days? (By that, I mean innovation, not just
> implementing something already developed elsewhere.) At

Innovation's a bit of a catch-phrase. Better to look at things as
pure research (testing the limits of a new theory), or applied research
(finding things you can do with existing technology, and pushing its
limits as well).

There's plenty of both in the ham field. http://www.amsat.org is
one good example where both would be applied.

> I think it would be logical to try to encourage innovation
> and experimentation rather than to just sit back and talk
> to each other in more or less the same way as was done
> decades ago. There ought to be plenty of opportunity for
> both.

You're missing the point. There's plenty of room both for just
"talking to each other" and for experimentation. And all degrees in
between. As I said in an earlier post, you get back from the hobby
exactly what you put into it. Ham radio is a great mirror.

If you think you want to try and push the boundaries, then get your
license and start doing it! AMSAT started out as a few hams getting
together and saying "Hey, I think we can do this."

> From the outside looking in, it doesn't really appear like
> packet has really done much in the last ten years or so,

<snip>

If it works, don't fix it. ;-)

> Then a few months ago, I read a little bit about packet
> today and it doesn't seem like it has really progressed
> very far. I was a bit disappointed.

Then get your frelling license, and try to DO SOMETHING about it!
Simply thumbing your nose with an "I'm a bit disappointed" does nothing.

Who knows? You may turn out to be one of the movers/shakers of the field if you put your mind to it. ;-)

> Am I wrong about that? Is there a whole lot going on
> that I just don't see since I'm just a casual observer?

Very likely. Lord only knows what could be going on in some ham's garage even as I type this.

Keep the peace(es).

--
Bruce Lane, Owner and Head Hardware Heavy,
Blue Feather Technologies -- http://www.bluefeathertech.com
Amateur Radio: KC7GR (Formerly WD6EOS) since 12-77.
kyrrin (a/t) bluefeathertech dot-com (Reassemble to use)
"I'll get a life when someone demonstrates to me it would be superior to what I have now..." (Taki Kogoma)

2644. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-29 16:55:26 UTC
From: Jerry <jerrysplace2@juno.com>
Message-ID: <2_MF9.55531$%k2.16920940@twister.socal.rr.com>
Source record: 4668

Yes, it did allow commercial traffic. The whole idea of getting just outside the ham bands was to avoid the problems with trying to do certain things inside the ham bands. We described everything we wanted to do in detail to the FCC and they approved it. I have since seen many many other experimental licenses issued for various ideas. It would solve all the issues that are being discussed in this thread..

de jerry..

"Don Hoffman" <nospam@dhoffman.net> wrote in message news:e5veuu4hfgurovpcnnt8gqgunbpq769n5k@4ax.com...
> On Fri, 29 Nov 2002 13:05:37 GMT, "Jerry" <jerrysplace2@juno.com>
> wrote:
>
> >So why don't you guys just forget all this nonesense, and just apply for a
> >temporary experimental license explaining to the FCC what you want to do.
> >They will most likely grant it for a period of time. A friend of mine and I
> >did this, and we got a license that lasted several years, that was good for
> >two frequencies just outside two ham bands. I see those types of licenses
> >all the time for all sorts of reasons. You just have to explain what/where
> >you are doing and most likely they will grant it..
> >
> >de jerry...
> >
>
> Did your license allow commercial traffic? If so, then a very good
> approach to the overall problem.
>
> Otherwise, not a bad idea if one is playing with experimental
> modulation techniques or link coding schemes. Probably overkill if
> all that is being proposed is use of standard Internet protoocols over
> amateur digital modes.
>
> Don Hoffman
>
>
> --
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>

2645. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-29 17:31:14 UTC
From: wej3715@fox.tamu.edu
Message-ID: <as8892$4cd$1@news.tamu.edu>
Source record: 4669

Jerry (jerrysplace2@juno.com) wrote:
: So why don't you guys just forget all this nonesense, and just apply for a
: temporary experimental license explaining to the FCC what you want to do.
: They will most likely grant it for a period of time. A friend of mine and I
: did this, and we got a license that lasted several years, that was good for
: two frequencies just outside two ham bands. I see those types of licenses
: all the time for all sorts of reasons. You just have to explain what/where
: you are doing and most likely they will grant it..

Thanks. That is a great idea, especially for some things I'd like to do
involving robotics.

Eric Johnson

2646. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-29 18:15:10 UTC
From: wej3715@fox.tamu.edu
Message-ID: <as8are$7rf$1@news.tamu.edu>
Source record: 4670

Dee D. Flint (deehays@qix.net) wrote:
:
: "wej3715" <wej3715@scully.tamu.edu> wrote in message
: news:as71jn$1p8$1@news.tamu.edu...
: > Don Hoffman (nospam@dhoffman.net) wrote:
: > [snip]
: > I think I see what you are getting at. Accessing a research paper
: > from the library is not a ham radio hobby activity. But then I
: > wouldn't think that using a phone patch to call your wife to tell
: > her you'll be home in 5 minutes would be a hobby either.
:
: The key to these exceptions is whether you are trying to avoid using regular
: commercial services. For example, if calling your wife is long distance
: over phone from your present location or is chargeable minutes on your cell
: phone but is a free call via the phone patch, then it is against the rules.
: Or if you do it all the time, it might be against the rules.

That could be a question on autopatch where I live. It's a long
distance call to my nearest neighbors 1/2 mile away using regular
telephones.

: On the other
: hand, if it is only occasional, it will generally fall within the rules.
: Afterall you do need to use the phone patches once in a while just to be
: familiar with their use in case it ever is necessary to use it. Practice in
: the form of occasional use would be within the realm of the hobby.

How about the fact that it is difficult to determine if you
need to improve something, why improvements might be useful,
where to look for potential improvements, ..., if you aren't
allowed to use it. Plus, if you go to all that trouble and
are successful in making the improvements, but can then never
make use of what you did, very few would ever even bother.

: An issue here is that this service is available by regular commercial means
: (i.e. a commercial ISP). If using the radio service to tie into the
: university avoids paying ISP fees then it would probably not be permissible,
: at least not on a regular basis.

In my case, the link would be to the ISP and travel over regular
Internet from there. However, while not the purpose for doing
it, it would save long distance charges to connect to that ISP.
(There is another ISP who is a local call, but I prefer the first.)

My interest is not based on saving money. While money is an issue,
I think the costs would be significantly higher than using dialup.

If it were to save money, a dialup connection would be the clear way to go.

And the license-free wireless connection is certainly a viable approach.

My reasons for considering the amateur radio approach include an interest in a more hands-on approach, a better potential for making at least some improvements if I need (which may never happen), and to gain more experience with radios that may be useful for my main intests such as for communications between autonomous robots.

But I have to justify it somehow, at leat in my mind. And this seemed (note past tense) like a reasonable way to do just that. I could perhaps justify the higher costs as very worthwhile education and practical radio experience.

Eric Johnson

2647. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-29 18:26:47 UTC
From: wej3715@fox.tamu.edu
Message-ID: <as8bh7$7rf$2@news.tamu.edu>
Source record: 4671

Bruce Lane (SpammersAreVermin@dev.nul) wrote:
: http://www.aprs.org

That's pretty interesting. It reminds me a bit of the FAA's prototype ATC system that they spent a lot of money on back in the 80s. I suspect it is quite a bit easier to track airplanes than motor vehicles.

Eric Johnson

2648. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-29 19:13:39 UTC
From: wej3715@fox.tamu.edu
Message-ID: <as8e93$aq5$1@news.tamu.edu>
Source record: 4672

Don Hoffman (nospam@dhoffman.net) wrote:
: On 29 Nov 2002 06:31:19 GMT, wej3715@scully.tamu.edu (wej3715) wrote:
:
: >
: >I wonder if there will be any new rules to further secure
: >ham radio connections to the Internet. Do the ham radio
: >gateways generally authenticate their users or do they
: >assume that anyone accessing them is a licensed amateur
: >operator?
:
: I doubt that the FCC will find it necessary/desirable to actually
: write any new rules. The current rule holding the operator of the
: gateway responsible for the traffic it puts on the amateur service is
: probably sufficient. BTW, it is not necessary that all traffic
: across the gateway be between hams. Obviously, the gateway can pass
: information to non-hams on the outside. I would expect that the
: normal rules for third-party traffic would apply.
:
: It all works pretty well with traffic originating "inside" the
: gateway. Obviously, no ham will generate traffic that violates FCC
: restrictions :-). The different types of gateways differ in their
: policies toward traffic originating "outside" the gateway. One of
: my favorites (and the sort of thing that is encouraging me to upgrade
: my license) is the WinLink 2000 project (www.winlink.org). Briefly,
: they use the HF bands to carry email and APRS traffic that this then
: gatewayed to/from the Internet. They do allow traffic from non-hams
: to cross the gateway, and other than a few spam/blacklist filters,
: rely on the control operators at the gateway and the recipients inside
: the radio network to police content.

Some of the emphasis on the National Strategy To Secure Cyberspace
is on making it much more difficult for people to break into someone
else's computers and then make use of them in an attack. If the
amateur radio side has little security, then they might need to be
tighted a bit.

: >In the cae of A&M, opening up the network itself in a manner
: >which permits people who are not authorized to use the network
: >is certainly prohibited by university rules. However, I haven't
: >seen any prohibitions on users of the Texas A&M DSL using
: >wireless in the home. So I wouldn't be at all surprised if there
: >are a number of vulnerable openings directly into the university
: >network that are accessible by wireless. I'd be surprised if any
: >of these were on the ham bands.
: >

:
: Prudence would say that all 802.11 networks (even at home) that are
: using current version of WEP be placed "outside" the VPN'ed home
: network. For this very reason, I maintain a DMZ at home for my 802.11
: networks. Back when I had a VPN in to various corporate networks, I
: considered this a minimum requirement to meet my "moral" obligations
: per the corporate AUP. (Plus, it would have been embarrassing for the
: Chief Network Architect's DSL link to be use as a wormhole for a
: hacker :-))

I was rather embarrased the one time I got a computer virus. I
was leaving to go to the medical library (thE best place at A&M for
uninterrupted study) and checked my e-mail on the way out the door.
One of the e-mails contained a virus and I opened the attachment.
Fortunately, I was running a software fireall on the machine
(Zone Alarm) and caught it the first time it tried to phone home.

Now I check my e-mail only from a computer running OpenBSD since
there are, to the best of my knowledge, no e-mail viruses that
have any effect on OpenBSD.

: These day cheap firewall boxes that allow such a function
: are easily available.

I have one. It's not real impressive, but it does a serviceable
job.

: Now all this being said, why do you consider VPN to be the only way to
: access university services?

I don't. Actually, I use SSH as well. But SSH only takes you
to a couple of machines. I believe that using those machines
as a relay to other machines inside the network is somewhat
frowned upon, but I've never heard of anyone being hassled for
doing it. Four or five years ago, those machines were used
very heavily, but now days with all the Windows machines in the
labs, they are often underutilized. It is probable that the
machines you can connect to from outside using SSH may rarely
have more than three or four active users at any one time now
days.

: IMHO, limited universtiy-related traffic is probably ok, as long as
: that was not your primary reason for deploying the link, and you, as
: the control operator, are not getting paid for the traffic. I would
: think the fact that YOU are probably paying the university is similar
: to the ordering pizza scenario. (But if you are a teaching assistant,
: and you send/recieve course material for the course you are TAing,
: that would be a violation)

That's kind of what I figured. I was a TA, but that was back in the
70's and ended in 1980, so that part is not a problem.

Eric Johnson

2649. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-29 20:41:16 UTC
From: Dana Myers K6JQ <k6jq@arrl.net>
Message-ID: <3de7ce5f$1_7@news.teranews.com>
Source record: 4673

Steve, K5OKC wrote:

> "Dana Myers K6JQ" wrote
>
> >Off-the-shelf 802.11b hardware easily provides an
> >11mb/s solution at distances in excess of 10 miles.
>
>
> I had a 1.6 Mbps Symphony link (100 mW into an amp)
> for a couple of years, and a RangeLAN2 link (500 mW)
> for about another year. While I thought it was pretty neat,
> and thought several people would jump on the bandwagon
> (we were 64k ISDN before), it turned out that I was the
> only one spending money. Even after we proved it worked,
> the motto seemed to be "you build it, I will come."

I remember you description; you were ahead of the curve.
RangeLan h/w was expensive and the wireless LAN industry
simply wasn't a consumer item yet.

Now it is.

> Once Cox wired up everyone for cable modems, the thrill
> was gone. Who wants shared 1 Mbps at about $1k a
> node, when you can get 2 Mbps for $40 a month, eh.

Well, shared 11mb/s is about $200/node now with a hub
access point around $800. Certainly, if you have
broadband available, it's not terribly compelling,
but some of us live where there isn't broadband.

> Even now I get requests to give away my old equipment,
> and I have to tell them I sold it all on eBay to people who
> understand the value of cost/performance and ownership.

Heh. You were an innovator, Steve!! Now it's off the
shelf stuff, and you couldn't interest me in the 70kbytes/sec
performance of old Proxim stuff. Even Proxim figured it
out and bought Orinoco...

;-)

Dana

2650. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-29 21:30:17 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <J%QF9.55314$ji1.442@news1.central.cox.net>
Source record: 4674

"wej3715" <wej3715@fox.tamu.edu> wrote
> Bruce Lane (SpammersAreVermin@dev.nul) wrote:
> : http://www.aprs.org
>
> That's pretty interesting. It reminds me a bit of the
> FAA's prototype ATC system that they spent a lot of
> money on back in the 80s. I suspect it is quite a bit
> easier to track airplanes than motor vehicles.

APRS is basically the Navy TADIL-A system without a
net control station. Designed in the late 40's, and still used
to day, although TADIL-J (JTIDS) at L-Band is finally
starting to become usable.

2651. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-29 21:46:21 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <NeRF9.55315$ji1.47997@news1.central.cox.net>
Source record: 4675

"Dana Myers K6JQ" <k6jq@arrl.net> wrote
>
> Heh. You were an innovator, Steve!! Now it's off the
> shelf stuff, and you couldn't interest me in the 70kbytes/sec
> performance of old Proxim stuff. Even Proxim figured it
> out and bought Orinoco...
>
> ;-)

Well my success was due to the neat driver written for Linux
that allowed me to setup cheap routers. Then when the bridges
came down to $350 (a steal, ha) for 500 mW it made the
linux box obsolete. Shoot, now for that kind of money you
could wire-up the whole town, hee. Of course the DS spread
spectrum is a better deal also.

My problem, was our ISP was two wireless hops away, and
no good sites at the midpoint, and then my ISDN charges
went through the roof, since all ISDN is a business line, and
subject to the Gore tax.

Yea, Proxim is a neat company. If the competition builds
something better, they will buy them out...

2652. Re: Last time I saw the14thdisciple ...

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-29 23:38:29 UTC
From: Bill <jwgardiner@attbi.com>
Message-ID: <VTSF9.36795$GR5.9731@rwcrnsc51.ops.asp.att.net>
Source record: 4676
Cross-posted to: rec.radio.amateur.digital.misc,rec.radio.amateur,alt.radio.international,alt.radio.internet

What the ..... ???

<deano@cytag.nl> wrote in message
news:2e3b9027.0211280632.4753d083@posting.google.com...
> ... The last time I saw the14thdisciple he was busy stuffing 2 of
> every kind of animal he could find into his trousers, saying something
> about '40 days and 40 nights' and 'got to keep the beavers DRY!'
>
> It's possible he ran out of room in his pants or perhaps became
> swamped by the larger creatures (elephants, giraffes - you get the
> picture?)
>
> We've put out a call to the local hospitals but unless we come across
> someone with a zoo down his knickers we're unlikely to find him easily
> ....
>
> Let us know if you see him? Listen to www.cytag.nl/listen.ram with
> RealAudio for regular updates. In the meantime we'll play you
> topnotch music, bring you items from Doctor Partz, Francis Walkfoot,
> Soloman Beasts plus comedy * chat with me, DeanoDeano and - of course
> - the14thdisciple!
>
> Hugs
> Deano
>
> Glen Miller - alive and trapped beneath a GREAT BIG TUBA!
> the14thdisciple & Freands www.cytag.nl/listen.ram Tuesdays 7 - 11pm
> GMT

2653. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-30 07:08:05 UTC
From: Bruce Lane <SpammersAreVermin@dev.nul>
Message-ID: <MPG.185203b28a6e09a3989a75@news.drizzle.com>
Source record: 4677

In article <as8bh7$7rf$2@news.tamu.edu>, wej3715@fox.tamu.edu says...

> Bruce Lane (SpammersAreVermin@dev.nul) wrote:
> : http://www.aprs.org
>
> That's pretty interesting. It reminds me a bit of the
> FAA's prototype ATC system that they spent a lot of
> money on back in the 80s. I suspect it is quite a bit
> easier to track airplanes than motor vehicles.

Actually, with the GPS technology around, there's little
difference. If I were to activate my mobile's APRS beacon right now, the
location would show up within the hour at findu.com, with my exact
position and status. Tracking aircraft is easier only because of radar
systems, and the fact that said systems have been in place since the
40's.

Like I said; If you're not keen on the "innovation" happening in
ham radio at the moment, you are cordially invited to get your license
and DO SOMETHING about it. ;-)

--
Bruce Lane, Owner and Head Hardware Heavy,
Blue Feather Technologies -- http://www.bluefeathertech.com
Amateur Radio: KC7GR (Formerly WD6EOS) since 12-77.
kyrrin (a/t) bluefeathertech dot-com (Reassemble to use)
"I'll get a life when someone demonstrates to me it would be superior to
what I have now..." (Taki Kogoma)

2654. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-30 10:58:51 UTC
From: "Charles, N5PVL" <n5pvl@sbcglobal.net>
Message-ID: <LR0G9.407$1P4.426920101@newssvr12.news.prodigy.com>
Source record: 4678

"Bruce Lane" <SpammersAreVermin@dev.nul> wrote in message >

> Like I said; If you're not keen on the "innovation" happening in
> ham radio at the moment, you are cordially invited to get your license
> and DO SOMETHING about it. ;-)
>

That's a good sentiment, Bruce, but in this guy's case I think the best thing he can do is to take a hike. He's a user, out to get what he can for himself and to hell with everyone else. Not really Ham material.

Charles, N5PVL

2655. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-30 18:54:42 UTC
From: nospam <xxxmmxxx@xxxspiritone.com>
Message-ID: <3DE90972.178C07BB@xxxspiritone.com>
Source record: 4680

what is a APRS beacon?

Bruce Lane wrote:

> In article <as8bh7$7rf$2@news.tamu.edu>, wej3715@fox.tamu.edu says...
>
> > Bruce Lane (SpammersAreVermin@dev.nul) wrote:
> > : http://www.aprs.org
> >
> > That's pretty interesting. It reminds me a bit of the
> > FAA's prototype ATC system that they spent a lot of
> > money on back in the 80s. I suspect it is quite a bit
> > easier to track airplanes than motor vehicles.
>
> Actually, with the GPS technology around, there's little
> difference. If I were to activate my mobile's APRS beacon right now, the
> location would show up within the hour at findu.com, with my exact
> position and status. Tracking aircraft is easier only because of radar
> systems, and the fact that said systems have been in place since the
> 40's.
>
> Like I said; If you're not keen on the "innovation" happening in
> ham radio at the moment, you are cordially invited to get your license
> and DO SOMETHING about it. ;-)
>
> --
> Bruce Lane, Owner and Head Hardware Heavy,
> Blue Feather Technologies -- http://www.bluefeathertech.com
> Amateur Radio: KC7GR (Formerly WD6EOS) since 12-77.
> kyrrin (a/t) bluefeathertech dot-com (Reassemble to use)
> "I'll get a life when someone demonstrates to me it would be superior to
> what I have now..." (Taki Kogoma)

2656. PRogramming s/w for Motorola Radius R-100 Repeater?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-30 19:10:27 UTC
From: LB <"no mail">
Message-ID: <asb306$5v4$1@slb5.atl.mindspring.net>
Source record: 4679

Anyone have the s/w for programming this radio?

-LB

2657. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-30 20:53:46 UTC
From: wej3715@fox.tamu.edu
Message-ID: <asb8gqgvq2@news.tamu.edu>
Source record: 4681

Charles, N5PVL (n5pvl@sbcglobal.net) wrote:
:
: That's a good sentiment, Bruce, but in this guy's case I think the best
: thing he can do is to take a hike. He's a user, out to get what he can for
: himself and to hell with everyone else. Not really Ham material.

Charles,

From your posts on this thread it is very clear that your approach
to a discussion is to belittle others, to misrepresent their words
completely, to stereotype people based on your own whims, and to
ignore what they really said for your personal convenience.

You had one post in this thread that was worth reading. The
rest have been a waste of time.

Fortunately, many newsreaders can be set to filter your tiresome
and useless posts.

Adios.

Eric Johnson

2658. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-30 21:17:59 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <bW9G9.58230$ji1.27736@news1.central.cox.net>
Source record: 4682

```
"nospam" <xxxmmxxx@xxxspiritone.com> wrote
>
> what is a APRS beacon?

Why do you want to know?
```

2659. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-30 21:29:03 UTC
From: Jim Pennino <jimp@specsol.com>
Message-ID: <asbaivfep1@mail.specsol.com>
Source record: 4683

nospam <xxxmmxxx@xxxspiritone.com> wrote:
> what is a APRS beacon?

See http://web.usna.navy.mil/~bruninga/aprs.html

--
Jim Pennino

2660. TAPR Motorola EVM56002 Radio Interface For Sale

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-30 21:47:38 UTC
From: "Alan P. Biddle" <APBIDDLE@ATT.NET>
Message-ID: <ddciuusohmnuu971tnvnbnnab8no4rk213@4ax.com>
Source record: 4684

Hi,

I have a TAPR Motorola EVM56002 Radio Interface for sale. It includes
the EVM56002, is assembled, and passes the basic checkout. $225
shipped UPS CONUS.

Basically, I just haven't needed it, and am doing some serious shack
cleaning. Please contact me off list.

Alan
WA4SCA@AMSAT.ORG

NASA has two projects:

Shuttle exists to service Space Station.
Space Station exists to provide missions for Shuttle.
On these two hang all the law and the profits.

2661. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-30 21:57:25 UTC
From: wej3715@fox.tamu.edu
Message-ID: <asbc85$l4e$1@news.tamu.edu>
Source record: 4685

Bruce Lane (SpammersAreVermin@dev.nul) wrote:
: Actually, with the GPS technology around, there's little
: difference. If I were to activate my mobile's APRS beacon right now, the
: location would show up within the hour at findu.com, with my exact
: position and status. Tracking aircraft is easier only because of radar
: systems, and the fact that said systems have been in place since the
: 40's.

Also, since they can locate the aircraft with radar, they can
interrogate the transponder to get the ATC assigned transponder
code and the altitude. I think general aviation VFR flight
uses a standard transponder code unless directed otherwise
by ATC or approach control at individual airports, but I'm
not absolutely positive about that.

Eric Johnson

2662. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-30 22:29:24 UTC
From: Jim Pennino <jimp@specsol.com>
Message-ID: <asbe44prs1@mail.specsol.com>
Source record: 4686

wej3715 <wej3715@fox.tamu.edu> wrote:
> Bruce Lane (SpammersAreVermin@dev.nul) wrote:
> : Actually, with the GPS technology around, there's little
> : difference. If I were to activate my mobile's APRS beacon right now, the
> : location would show up within the hour at findu.com, with my exact
> : position and status. Tracking aircraft is easier only because of radar
> : systems, and the fact that said systems have been in place since the
> : 40's.

> Also, since they can locate the aircraft with radar, they can
> interrogate the transponder to get the ATC assigned transponder
> code and the altitude. I think general aviation VFR flight
> uses a standard transponder code unless directed otherwise
> by ATC or approach control at individual airports, but I'm
> not absolutely positive about that.

> Eric Johnson

Actually, there's little skin paint radar anymore; it is mostly throught the
transponders.

And VFR is 1200 unless "otherwise directed".
--
Jim Pennino

2663. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-11-30 23:44:50 UTC
From: wej3715@fox.tamu.edu
Message-ID: <asbihi$q15$1@news.tamu.edu>
Source record: 4687

Jim Pennino (jimp@specsol.com) wrote:
: > Also, since they can locate the aircraft with radar, they can
: > interrogate the transponder to get the ATC assigned transponder
: > code and the altitude. I think general aviation VFR flight
: > uses a standard transponder code unless directed otherwise
: > by ATC or approach control at individual airports, but I'm
: > not absolutely positive about that.
:
: Actually, there's little skin paint radar anymore; it is mostly throught the
: transponders.

How do they handle aircraft with transponders that don't report their
position? Can they get the direction of the aircraft from the response
and the distance by time of flight?

About 1982 or 1983, I tried to get some people interested in working
to develop a display for aircraft that would use Loran to determine
the position and display an aviation map to the pilot with his
position indicated. The display would use a CD to hold the necessary
aviation charts. The usual reaction was that it was an interesting idea,
but noone wanted to pursue it.

Eric Johnson

2664. Re: Digimit: an all-bands digital SSB/CW HF transmitter

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-01 00:47:16 UTC
From: Marc <_laika#nospam#@yahoo.com>
Message-ID: <o_cG9.7969$yy.1072989@newsread1.prod.itd.earthlink.net>
Source record: 4688

Have you thought aboutVHF/UHF?

"IV3NWV" <nicolangelo.palermo@tin.it> wrote in message news:3DDACC8F.9070606@tin.it...
>
> Hi everybody.
> I've completed the development of a new HF SSB/CW transmitter. It covers
> all the HF amateur bands, WARCs included, with a 10Wpep output power,
> and features an FPGA based SSB/CW digital synthesizer running at 90
> MSPS. Something really new, hopefully.
>
> Anyone interested on the subject will find some pictures, along with
> preliminary informations (still in italian language, sorry) and tech
> specs at the following address:
>
> http://www.microtelecom.it/digimit
>
> I'll provide detailed infos in English language asap.
> Please, stay tuned.
> Best 73s de nico, IV3NWV
>
>

2665. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-01 01:05:38 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <CfdG9.59978$ji1.74@news1.central.cox.net>
Source record: 4690

"wej3715" <wej3715@fox.tamu.edu> wrote
> Jim Pennino (jimp@specsol.com) wrote:
> : > Also, since they can locate the aircraft with radar, they can
> : > interrogate the transponder to get the ATC assigned transponder
> : > code and the altitude. I think general aviation VFR flight
> : > uses a standard transponder code unless directed otherwise
> : > by ATC or approach control at individual airports, but I'm
> : > not absolutely positive about that.
> :
> : Actually, there's little skin paint radar anymore; it is mostly throught the
> : transponders.
>
> How do they handle aircraft with transponders that don't report their
> position? Can they get the direction of the aircraft from the response
> and the distance by time of flight?

The lat/lon of the radar site is known, and thus the bearing and range
of the aircraft is determined, and can be converted to lat/lon for track
processing and database entry. The old transponders basically give
a 4 digit octal code, and altitude, while the Mode-S gives just about
everything (N-Number, air pressure in the left main tire, etc--OK,
I'm kidding, but it has a lot of poop transmitted) and can be interrogated
specifically, rather than a sweeping 360 degrees like the old stuff.

Non-Mode-S transponders basically reply to interrogations during the
antenna sweep through the aircraft azimuth. This generates about 100
replies, and the centroid of the replies is declared the target azimuth.
Most radar interrogaters now are equipped with monopulse receivers
and can determine azimuth to a degree or so. Even the big AWACS
jet has converted over to monopulse and Mode-S capable interrogators.

> About 1982 or 1983, I tried to get some people interested in working
> to develop a display for aircraft that would use Loran to determine
> the position and display an aviation map to the pilot with his
> position indicated. The display would use a CD to hold the necessary
> aviation charts. The usual reaction was that it was an interesting idea,
> but noone wanted to pursue it.

Every pilot now has a GPS with a map that can clip to the yoke, or
if the plane is big enough, like an airline, they have a glass display that
integrates GPS position with waypoints, heading, and in some cases
weather radar data.

A pilot friend of mine commented that he used to fly from OKC to
Pueblo and just get a few hits from radars during the flight. Then
when TCAS came out, he said the damn transponder was smoking

from continuous interrogations from airlines and radar sites. He didn't think it was going to hold up, and sure enough it failed, so he got a modern one that limited the duty cycle, and could handle heavy use with a big heat sink on the back.

2666. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-01 01:06:01 UTC
From: Jim Pennino <jimp@specsol.com>
Message-ID: <asbn9p$od0$1@mail.specsol.com>
Source record: 4689

wej3715 <wej3715@fox.tamu.edu> wrote:

> How do they handle aircraft with transponders that don't report their
> position? Can they get the direction of the aircraft from the response
> and the distance by time of flight?

The ground antennas are directional and rotate just like radar; when you
have a co-located skin paint radar, the two antennas are mounted together.

You get azimuth from the antenna position.

The response times of transponders are specified. You get range from
from the time it takes the transponder to respond; i.e. 150 meters/microsecond
minus fixed hardware response time.

You get altitude from a mode C equipped transponder (most are these days)
by some bits in the response that indicate altitude.

> About 1982 or 1983, I tried to get some people interested in working
> to develop a display for aircraft that would use Loran to determine
> the position and display an aviation map to the pilot with his
> position indicated. The display would use a CD to hold the necessary
> aviation charts. The usual reaction was that it was an interesting idea,
> but noone wanted to pursue it.

Too bad. Those things were popular for a while (yes, someone did it), but
these days most people go for GPS as GPS has better coverage. The maps
are in memory like digital cameras, not CDs.

For a reality check of what you can get in just a hand held aviation
GPS, look up the specs on the Garmin GPSMAP 196.

--
Jim Pennino

2667. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-01 04:39:27 UTC
From: wej3715@fox.tamu.edu
Message-ID: <asc3pv$b9c$1@news.tamu.edu>
Source record: 4691

Jim Pennino (jimp@specsol.com) wrote:
: > About 1982 or 1983, I tried to get some people interested in working
: > to develop a display for aircraft that would use Loran to determine
: > the position and display an aviation map to the pilot with his
: > position indicated. The display would use a CD to hold the necessary
: > aviation charts. The usual reaction was that it was an interesting idea,
: > but noone wanted to pursue it.
:
: Too bad. Those things were popular for a while (yes, someone did it), but
: these days most people go for GPS as GPS has better coverage. The maps
: are in memory like digital cameras, not CDs.

Our problem at the time was that memory was rather expensive. Not
long before that, the engineering company I was at spent about
$10,000 for a little less than a megabyte of memory for the
PDP 11/70.

On the other hand, all I knew about CDs at that time came from
technical journals and other articles. Noone I knew had ever
seen one yet, but it was the only thing I could think of at
the time with sufficient capacity.

Does anyone make a GPS receiver that also picks up GLONASS (however
it is spelled)? I've always wondered if the Russian system has
the same introduced errors as GPS.
Eric Johnson

2668. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-01 04:54:18 UTC
From: wej3715@fox.tamu.edu
Message-ID: <asc4lqclf1@news.tamu.edu>
Source record: 4692

Steve, K5OKC (k5okc@nojunk.cox.net) wrote:
: A pilot friend of mine commented that he used to fly from OKC to
: Pueblo and just get a few hits from radars during the flight. Then
: when TCAS came out, he said the damn transponder was smoking
: from continuous interrogations from airlines and radar sites. He
: didn't think it was going to hold up, and sure enough it failed, so he
: got a modern one that limited the duty cycle, and could handle
: heavy use with a big heat sink on the back.

The last time I was riding with someone in his Bellanca, the
light on the transponder kept blinking so often it was somewhat
distracting. In the same airplane on a similar flight a couple
of years earlier, it hardly came on at all.

Eric Johnson

2669. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-01 05:16:22 UTC
From: Jim Pennino <jimp@specsol.com>
Message-ID: <asc5v6$8nh$1@mail.specsol.com>
Source record: 4693

wej3715 <wej3715@fox.tamu.edu> wrote:

> Does anyone make a GPS receiver that also picks up GLONASS (however
> it is spelled)? I've always wondered if the Russian system has
> the same introduced errors as GPS.
> Eric Johnson

No idea.

The "introduced errors" were turned off years ago.

--
Jim Pennino

2670. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-01 07:43:39 UTC
From: wej3715@fox.tamu.edu
Message-ID: <ascejb$k67$1@news.tamu.edu>
Source record: 4694

Jim Pennino (jimp@specsol.com) wrote:
: wej3715 <wej3715@fox.tamu.edu> wrote:
:
: > Does anyone make a GPS receiver that also picks up GLONASS (however
: > it is spelled)? I've always wondered if the Russian system has
: > the same introduced errors as GPS.
: > Eric Johnson
:
: No idea.
:
: The "introduced errors" were turned off years ago.

I didn't know that. The errors in the few units I've seen made
me think they were still turned on.

Eric Johnson

2671. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-01 11:11:41 UTC
From: "Charles, N5PVL" <n5pvl@sbcglobal.net>
Message-ID: <N7mG9.925$Ub1.787185705@newssvr30.news.prodigy.com>
Source record: 4695

"wej3715" <wej3715@fox.tamu.edu> wrote in message
news:asb8gqgvq2@news.tamu.edu...
> Charles, N5PVL (n5pvl@sbcglobal.net) wrote:
> :
> : That's a good sentiment, Bruce, but in this guy's case I think the best
> : thing he can do is to take a hike. He's a user, out to get what he can
for
> : himself and to hell with everyone else. Not really Ham material.
>
> Charles,
>
> From your posts on this thread it is very clear that your approach
> to a discussion is to belittle others, to misrepresent their words
> completely, to stereotype people based on your own whims, and to
> ignore what they really said for your personal convenience.
>
> You had one post in this thread that was worth reading. The
> rest have been a waste of time.
>
> Fortunately, many newsreaders can be set to filter your tiresome
> and useless posts.
>

Fortunately, Texas has a great highway system. I feel that you should have
an opportunity to insult me to me face. Besides, I can get more done with
the administration people there by showing up in person.

Charles, N5PVL

2672. Re: Digimit: an all-bands digital SSB/CW HF transmitter

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-01 15:02:24 UTC
From: Michael Pupeza <mpupeza@sympatico.ca>
Message-ID: <BA0F8EB0.12134%mpupeza@sympatico.ca>
Source record: 4696

Nico;
That looks very nice and interesting. Perhaps it would make a good QRP
'Kit'!
Keep us posted with future plans.
Mike VE3EQP.....>

> From: "Marc" <_laika#nospam#@yahoo.com>
> Organization: EarthLink Inc. -- http://www.EarthLink.net
> Newsgroups: rec.radio.amateur.digital.misc
> Date: Sun, 01 Dec 2002 00:47:16 GMT
> Subject: Re: Digimit: an all-bands digital SSB/CW HF transmitter
>
> Have you thought aboutVHF/UHF?
>
> "IV3NWV" <nicolangelo.palermo@tin.it> wrote in message
> news:3DDACC8F.9070606@tin.it...
>>
>> Hi everybody.
>> I've completed the development of a new HF SSB/CW transmitter. It covers
>> all the HF amateur bands, WARCs included, with a 10Wpep output power,
>> and features an FPGA based SSB/CW digital synthesizer running at 90
>> MSPS. Something really new, hopefully.
>>
>> Anyone interested on the subject will find some pictures, along with
>> preliminary informations (still in italian language, sorry) and tech
>> specs at the following address:
>>
>> http://www.microtelecom.it/digimit
>>
>> I'll provide detailed infos in English language asap.
>> Please, stay tuned.
>> Best 73s de nico, IV3NWV
>>
>>

2673. Re: PRogramming s/w for Motorola Radius R-100 Repeater?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-01 17:59:49 UTC
From: Bruce Lane <SpammersAreVermin@dev.null>
Message-ID: <MPG.1853edec8d895cca989a77@news.drizzle.com>
Source record: 4697

In article <asb306$5v4$1@slb5.atl.mindspring.net>, "LB" <no mail> says...

> Anyone have the s/w for programming this radio?

<WARNING: Shameless Plug Alert>

Yes, I do. I have the cable as well, and I would be happy to
program that R-100 for you. I think my rates would be just a bit lower
than most commercial shops. ;-)

See http://www.bluefeathertech.com/rf.html for details.

BTW, please don't ask for a copy of the software. You should have
seen the licensing agreement I had to sign just to get it!

73 de KC7GR

--
Bruce Lane, Owner and Head Hardware Heavy,
Blue Feather Technologies -- http://www.bluefeathertech.com
Amateur Radio: KC7GR (Formerly WD6EOS) since 12-77.
kyrrin (a/t) bluefeathertech dot-com (Reassemble to use)
"I'll get a life when someone demonstrates to me it would be superior to
what I have now..." (Taki Kogoma)

2674. Re: 9600 and 19.2 kb

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-01 19:20:59 UTC
From: "William H. O'Hara, III" <whoohara@yahoo.com>
Message-ID: <Xns92D791FD92C98AlphaCentauriAAAHAWK@65.100.3.61>
Source record: 4698

> There is a "farm" of several 1000 ft. towers conveniently located in
> La Feria TX to cover the bulk of the lower Rio Grande Valley, on both
> sides of the border. Some are for TV, others for commercial radio
> services. Space on some of these towers has been donated to Amateurs
> here.

Wow. I can't believe it. You guys should put 5.0 gigahertz
802b stuff on top. You can run a high speed packet using
commercial hardware on the cheap. You would get very good
range with it too. Someone mentioned it another thread.
I was thinking about doing something of that nature and I was
plotting out paths in my area.

bill
KB1IBU

2675. Re: 9600 and 19.2 kb

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-01 23:31:07 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0212012325010.3693-100000@exp.bde-arc.ampr.org>
Source record: 4699

On Sun, 1 Dec 2002, William H. O'Hara, III wrote:
>> There is a "farm" of several 1000 ft. towers conveniently located in
>> La Feria TX to cover the bulk of the lower Rio Grande Valley, on both
>> sides of the border. Some are for TV, others for commercial radio
>> services. Space on some of these towers has been donated to Amateurs
>> here.
>
>Wow. I can't believe it. You guys should put 5.0 gigahertz
>802b stuff on top. You can run a high speed packet using
>commercial hardware on the cheap. You would get very good
>range with it too. Someone mentioned it another thread.
>I was thinking about doing something of that nature and I was
>plotting out paths in my area.

Although that suggestion is "good" for what it means, you are apparently
clueless as to the equipment and specifics.

802.11b is on 2.4GHz, and is cheaper that the 802.11a 5Ghz stuff, of which only
the part of the equipment at 5.7GHz will be of value (i.e. sufficient power).
The 802.11a stuff at 5.2GHz lacks sufficient power for significant distances.
Furthermore, 802.11b is currently about 1/3 the price of the 802.11a stuff.

Try reading up on 47 CFR 15.247 and 15.401 ff. as far as limitations go (while
keeping it within part 15). [Of course, if one wants to exceed those limits,
then licensed amateurs are free to do so, but within any part 97 restrictions.]

See also the recent post I made, commenting on the 72 mile wireless link using
802.11b equipment on "alt.internet.wireless."

2676. FS: TC-70-1 ATV Transceiver 1 watt & 30 watt Alinco Amplifier

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-02 11:19:50 UTC
From: N5ASA <n5asa@colla.com>
Message-ID: <asffgv01b8b@enews2.newsguy.com>
Source record: 4700

Hi,
Hope everyone had a Great Turkey day!
I have Hr A TC-70-1 ATV Transceiver 1 watt & 30 watt Alinco Amplifier...
No Activity in my area? so need to sell or Trade for ?

sell $300.00 Shipped
in lower 48

73 Larry
N5ASA

n5asa@arrl.net

Click here to see the Pic of unit..
http://www.qrz.com/cgi-bin/ikonboard.cgi?s=3deb32b56243ffff;act=ST;f=1;t=243
44

2677. Re: 9600 and 19.2 kb

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-02 11:57:59 UTC
From: "Charles, N5PVL" <n5pvl@sbcglobal.net>
Message-ID: <bVHG9.52$ep.87081076@newssvr12.news.prodigy.com>
Source record: 4551

Howdy, Bill!

We have tried high-speed packet several times, here in the Valley, and it always works out the same. - The high-speed link goes unused, and eventually ends up being forgotten. There are only a few Hams who are interested in high-speed packet here, not enough to make it fly. After going through the trouble of obtaining and installing HS stuff a couple of times and getting burned, at this point it would be hard to convince anyone here to try it again, at least any time in the near future.

Also; The towers we have access to are set up for VHF and UHF, but not for SHF frequencies. Gotta have feed line and antennas for that. It gets expensive in a hurry at the higher freqs.

We've successfully operated 9.6kb stuff (medium speed) on several occasions, but only as "backbone" links between nodes.

There was one 9.6kb user port on a local BBS for a few years but - you guessed it - nobody used it and it was eventually shut down. It was there, but we can't really say it was a success.

Years ago, before 9.6kb ready TNC's and radios were generally available, the theory was that nobody used 9.6kb because it was so difficult to set up. Just as soon as the 9.6kb stuff became "plug 'n play", we all thought, it would instantly become popular when Hams discovered how much nicer it was...

But, as we all know, the introduction of "plug 'n play" 9.6kb ready radios have not made the dramatic difference many of us thought it would. The theory was shot down. It sounded perfectly reasonable, (to me, at least) but it didn't hold up in the real world.

A central problem with high-speed packet is content. Once you get past the Hams who erroneously believe that high-speed packet will give them free internet access, what you are left with is content that a lower speed link could handle just as well, at a lot less trouble and expense.

Eventually it comes down to the few Hams who want to set up and enjoy high-speed links just for the heck of doing so, and there are not enough of those here in the Valley to make the effort worthwhile.

That isn't really anything to feel bad about though... The really successful, actively growing packet nets in the U.S. tend to be 1.2kb access with 9.6kb backbone links, so if nothing else, we are in good company.

Charles, N5PVL

"William H. O'Hara, III" <whoohara@yahoo.com> wrote in message news:Xns92D791FD92C98AlphaCentauriAAAHAWK@65.100.3.61...

>
> > There is a "farm" of several 1000 ft. towers conveniently located in
> > La Feria TX to cover the bulk of the lower Rio Grande Valley, on both
> > sides of the border. Some are for TV, others for commercial radio
> > services. Space on some of these towers has been donated to Amateurs
> > here.
>
> Wow. I can't believe it. You guys should put 5.0 gigahertz
> 802b stuff on top. You can run a high speed packet using
> commercial hardware on the cheap. You would get very good
> range with it too. Someone mentioned it another thread.
> I was thinking about doing something of that nature and I was
> plotting out paths in my area.
>
> bill
> KB1IBU

2678. Re: Un-American TC-70-1 ATV Transceiver 1 watt & 30 watt Alinco Amplifier

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-02 12:03:31 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <n_HG9.74317$ji1.2548@news1.central.cox.net>
Source record: 4552

Completely obscene use of the American Flag, or any
countries flag for that matter. Why not just take a crap
on it?

"N5ASA" n5asa@arrl.net wrote
> Hi,
> Hope everyone had a Great Turkey day!
> I have Hr A TC-70-1 ATV Transceiver 1 watt & 30 watt Alinco Amplifier...
> No Activity in my area? so need to sell or Trade for ?
>
> Click here to see the Pic of unit..
> http://www.qrz.com/cgi-bin/ikonboard.cgi?s=3deb32b56243ffff;act=ST;f=1;t=24344

2679. Re: Un-American TC-70-1 ATV Transceiver 1 watt & 30 watt Alinco Amplifier

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-02 15:22:01 UTC
From: "Charles, N5PVL" <n5pvl@sbcglobal.net>
Message-ID: <tUKG9.82$l41.122636355@newssvr12.news.prodigy.com>
Source record: 4553

I seriously doubt that any disrespect for the U.S. flag or "cashing in" was intended... In fact, I suspect that the display of the flag is intended as an indication of support for the USA in these troubling times.

You are right of course, that the ad is improper, but I doubt that any impropriety was actually intended.

As for flags of other nations, to me most of them are just colored cloth, no more and no less. There are a few that I respect, but very few. If I had a generic foriegn flag handy and had no access to toilet paper, well I guess you know what would end up happening with the foriegn flag.

Charles, N5PVL

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message news:n_HG9.74317$ji1.2548@news1.central.cox.net...
Completely obscene use of the American Flag, or any
countries flag for that matter. Why not just take a crap
on it?

"N5ASA" n5asa@arrl.net wrote
> Hi,
> Hope everyone had a Great Turkey day!
> I have Hr A TC-70-1 ATV Transceiver 1 watt & 30 watt Alinco Amplifier...
> No Activity in my area? so need to sell or Trade for ?
>
> Click here to see the Pic of unit..
>
http://www.qrz.com/cgi-bin/ikonboard.cgi?s=3deb32b56243ffff;act=ST;f=1;t=243
44

2680. Re: Un-American TC-70-1 ATV Transceiver 1 watt & 30 watt Alinco Amplifier

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-02 22:47:39 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <fqRG9.75955$ji1.65310@news1.central.cox.net>
Source record: 4554

"Charles, N5PVL" <n5pvl@sbcglobal.net> wrote
>
> I seriously doubt that any disrespect for the U.S. flag or "cashing in" was
> intended...

That's not what I meant. I wouldn't have a problem with his
putting a picture of a flag beside the sale, but a real flag used to
hold his swap shop items is a whole different thing.

He probably grabs the flag and a stick, and like a hobo takes all
the stuff to the next swap meet...

2681. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-02 23:35:17 UTC
From: Ham-in-a-can <I.B.Ondaily@on.the.air.con>
Message-ID: <asgqnh$7d6$1@news.chatlink.com>
Source record: 4555

Look it,

Where did I say anyone is entitled to credit for doing not one damn thing, my point was college in the basic sense is a business transaction, let me spell it out in a formula:

Tuition (i.e. Item of value) + Work (i.e. time invested in taking tests whatever) = Grade / Credit toward a degree (The deliverable item by the school or college)

You are so damn crtical of every thing....Jesus Christ sure glad I never had you for an instructor, you make the Indian professor (where I went to school) who takes 80% for a mathmatical sign reversal look like a nice guy.

Go ahead build your over-the-air VPN and let Rily Hollingsworth and the Federal Courts make the judgement call. In the final analysis of this whole affair they are the Gods of the air waves, not me, you or any other person. We all just have freaking opinions as to what the FCC and the couorts will really do not definitive answers.

This is why I hate internet news groups at times, one tries to answer another person's question and that person becomes beligerent and argumentive with the answer.

I am out here this is all pure Bravo Sierra as far as I am concerned.

Tahn-fer

"wej3715" <wej3715@fox.tamu.edu> wrote in message news:as6btt$9to$3@news.tamu.edu...
> Ham-in-a-can (I.B.Ondaily@on.the.air.con) wrote:
> : Another point is what kind of activity is attending college? Those who
> : attend college pay a fixed sum of money to receive a fixed amount of credits
> : toward a degree for a predetermined amount of expended labor.
>
> You never took one of my math classes.
>
> Getting any kind of credit was not automatic at all no
> matter how much tuition they paid. And with that pay
> scale, I had the attitude that I wasn't going to inflate
> grades. If they didn't like it, I could go back to a
> regular computer job for a higher salary.
>
> Eric Johnson

2682. Help connecting IC 706 to Rigblaster Plus

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-02 23:57:48 UTC
From: Kevin Gray <k8su@adelphia.net>
Message-ID: <0sSG9.5351$ov6.2789621@news2.news.adelphia.net>
Source record: 4556

Need help connecting the Icom 706 to the Rigblaster.

Thanking you in advance.

73

Kevin

k8su

2683. Help with RigBlaster Plus

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-02 23:58:53 UTC
From: Kevin Gray <k8su@adelphia.net>
Message-ID: <1tSG9.5352$ov6.2789823@news2.news.adelphia.net>
Source record: 4557

Rigblaster connecting to Icom 706

Kevin

k8su@adelphia.net

2684. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-03 02:43:15 UTC
From: wej3715@fox.tamu.edu
Message-ID: <ash5o3bts1@news.tamu.edu>
Source record: 4558

Ham-in-a-can (I.B.Ondaily@on.the.air.con) wrote:
: Go ahead build your over-the-air VPN and let Rily Hollingsworth and the
: Federal Courts make the judgement call.

I'm not planning on building any VPN network on amateur radio frequencies.
If it were legal, I might have. At least, for those occasions when I
need one.

And I haven't been trying to argue whether VPN is legal. I didn't
think it was, but I thought I'd ask.

In fact, we find out that there are times when encryption is okay --
for logging on to protect your password and for controlling amateur
satellites. I thought the question was worth asking and the results
bear it out.

I don't know about you, but I found the discussion quite helpful.

Eric Johnson

2685. Programming my MTS2000

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-03 06:41:20 UTC
From: n9mxt1@aol.com
Message-ID: <20021203014120.19943.00000473@mb-dh.aol.com>
Source record: 4559

Hello,
I own a Motorola MTS2000 HT and have some programming questions... I would like it programmed and if your capable please email me back.

Thanks

Jeff

2686. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-03 13:48:46 UTC
From: Jake Brodsky <frussle@erols.com>
Message-ID: <knapuuscehpfh5u5q9dvs394coou6o57mh@4ax.com>
Source record: 4560

On 27 Nov 2002 20:38:49 GMT, wej3715@fox.tamu.edu (wej3715) wrote:

>Jake Brodsky (frussle@erols.com) wrote:
>: It's 47CFR97.113(a)(4). Read it carefully. Note the prohibition
>: against "messages in codes or ciphers intended to obscure the
>: meaning thereof". How does a VPN *NOT* fit this definition?
>
>That's fine. I just wanted to ask to be sure.
>
>: I'm sorry to be the one to burst your bubble, but ham radio is not for
>: folks to extend networks to their homes using VPNs over the air.
>
>I thought ham radio was for experimentation and education. It
>would seem that in some cases, absent the explicit ban in
>47CFR97.113(a)(4), it could indeed fall well within those
>purposes.
>
>How much real experimentation is actually done on amateur
>radio these days? (By that, I mean innovation, not just
>implementing something already developed elsewhere.) At
>one time, things like bouncing a signal off of a satellite
>or the moon were quite innovative and experimental.
>
>I think it would be logical to try to encourage innovation
>and experimentation rather than to just sit back and talk
>to each other in more or less the same way as was done
>decades ago. There ought to be plenty of opportunity for
>both.
>
>From the outside looking in, it doesn't really appear like
>packet has really done much in the last ten years or so,
>but I might be wrong. In the late 80's I was intrigued
>by the idea of packet, but I was head of R&D for a small
>company that couldn't afford to pay me more than my
>basic living expenses and so I couldn't afford to do much.
>Then a few months ago, I read a little bit about packet
>today and it doesn't seem like it has really progressed
>very far. I was a bit disappointed.
>
>In contrast, there seems to be plenty of experimentation
>and innovation on the unlicensed part 15 bands. That
>should increase some more with the recent relaxation in
>a few of the rules.
>

>Am I wrong about that? Is there a whole lot going on
>that I just don't see since I'm just a casual observer?

I think you're missing some very big things under the radar.

First, keep in mind that those involved in a technical pursuit often try to limit their communities to small, functional teams.

Second, many fundamental things about radio are often lost in the shuffle. For example: Jerry Sevick wrote an entire book about Balun and Unun RF transformers. This may sound weird, but it was actually ground breaking work on a neglected area of investigation. In most commercial applications "good enough" is usually as far as anyone goes. Sevick looked carefully at power handling issues and broad-band performance. His book is now a bible for the ham radio community and by the way, it's also a useful tool for most other users on SW.

The AMRAD group is experimenting with Low Frequency communications. They use exotic modulation techniques to dig signals out of the noise. They are working very carefully to optimize antenna performance. The electrically short nature of these antennas is quite a challenge.

There are others working on high performance receivers, Variable Frequency Oscillators with low phase noise, signal propagation tests and so forth.

What you need to realize is that most commercial applications are about what's reliable. Ham Radio is about the art of what's possible. Those are two very different ways of looking at the same technology.

Whether it's the bragging rights of a kid with a hand held radio talking to someone nearly 1000 km across the water on a fraction of a watt, or whether it's someone digging weak signals out of the noise, or someone trying to build a cheaper, smaller, or simply untried method of communication --it's all a technical hobby. It's about the art of what you can achieve.

Yes, there are lots of guys who sit on their butts every evening drinking beer, cussing at each other and the world, and generally making pests of themselves. I still think it's better than watching television. And although they are the ones you hear on the air most of the time, there are plenty of others who you DON'T hear on the air. They're too busy building their stuff, and using their licenses to do brief tests. Often the signals they put on the air are so close to the noise, that you'd be hard pressed to find them.

As for Part 15 development, if you're willing to live within the confines of what it is, then by all means use it. There is an interesting experimenter's band from 160 to 190 kHz which many hams play with, but in fact you don't need a license to work with it. You can also experiment with the 902 to 928 MHz band. But if you want to try your hand at troposcatter or EME, you'd better get a ham radio license.

This hobby is what you make of it. It's not about wiring the last mile to your house. It's a playground. It's an educational tool. And in emergencies, it's also a free form infrastructure for getting emergency traffic out to the rest of the world.

Oh and by the way, APRS was a system concept developed first in ham radio. Maybe you've heard of Capstone and many other radio location broadcast schemes --but APRS was up and running years before. Likewise, the scheme used by our SCADA telemetry system where I work had been proven on the air back in late 1970s.

You say there's no innovation. Well, in a mainstream sense you're right. But that's not what this hobby's about. And if you look among electrical engineers, you'll find a preponderance of ham radio enthusiasts as well.

That's the nature of the hobby today. Oh, and speaking as one who was there, many of the early computer builders of the late 1970s and early 1980s were hams. Hams were the early adopters of the home computing movement. And one of the very first handful of computerized bulletin boards in the world was a ham radio board: Yes, it belonged to AMRAD, and I was a user.

Yet, despite the storied history, ham radio doesn't have the word computer in it. Don't judge the state of the hobby by what we do or don't do with computers...

73,

Jake Brodsky, AB3A mailto:frussle@erols.com
"Beware of the massive impossible!"

2687. Re: Un-American TC-70-1 ATV Transceiver 1 watt & 30 watt Alinco Amplifier

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-03 14:20:41 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <Z43H9.154$MC6.143992998@newssvr30.news.prodigy.com>
Source record: 4561

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:fqRG9.75955$ji1.65310@news1.central.cox.net...
> "Charles, N5PVL" <n5pvl@sbcglobal.net> wrote
> >
> > I seriously doubt that any disrespect for the U.S. flag or "cashing in"
was
> > intended...
>
> That's not what I meant. I wouldn't have a problem with his
> putting a picture of a flag beside the sale, but a real flag used to
> hold his swap shop items is a whole different thing.
>
> He probably grabs the flag and a stick, and like a hobo takes all
> the stuff to the next swap meet...

Stop it! You're killing me! When I read about the guy going "hobo" and
fixing himself up a bindlestiff, I ended up shooting coffee out of my nose,
all over my keyboard.

I hope you're proud of yourself!

Charles, N5PVL

2688. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-03 16:13:13 UTC
From: Jerry <jerrysplace2@juno.com>
Message-ID: <tK4H9.82158$%k2.21660153@twister.socal.rr.com>
Source record: 4562

Darned good and accurate reply....I think most 'hams' would agree with what
you said..

de jerry..--n6jp--

"Jake Brodsky" <frussle@erols.com> wrote in message
news:knapuuscehpfh5u5q9dvs394coou6o57mh@4ax.com...
> On 27 Nov 2002 20:38:49 GMT, wej3715@fox.tamu.edu (wej3715) wrote:
>
> I think you're missing some very big things under the radar.
>
> First, keep in mind that those involved in a technical pursuit often
> try to limit their communities to small, functional teams.
>
> Second, many fundamental things about radio are often lost in the
> shuffle. For example: Jerry Sevick wrote an entire book about Balun
> and Unun RF transformers. This may sound weird, but it was actually
> ground breaking work on a neglected area of investigation. In most
> commercial applications "good enough" is usually as far as anyone
> goes. Sevick looked carefully at power handling issues and broad-band
> performance. His book is now a bible for the ham radio community and
> by the way, it's also a useful tool for most other users on SW.
>
> The AMRAD group is experimenting with Low Frequency communications.
> They use exotic modulation techniques to dig signals out of the noise.
> They are working very carefully to optimize antenna performance. The
> electrically short nature of these antennas is quite a challenge.
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> There are others working on high performance receivers, Variable
> Frequency Oscillators with low phase noise, signal propagation tests
> and so forth.
>
> What you need to realize is that most commercial applications are
> about what's reliable. Ham Radio is about the art of what's possible.
> Those are two very different ways of looking at the same technology.
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> Whether it's the bragging rights of a kid with a hand held radio
> talking to someone nearly 1000 km across the water on a fraction of a
> watt, or whether it's someone digging weak signals out of the noise,
> or someone trying to build a cheaper, smaller, or simply untried
> method of communication --it's all a technical hobby. It's about the
> art of what you can achieve.
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> drinking beer, cussing at each other and the world, and generally

> making pests of themselves. I still think it's better than watching
> television. And although they are the ones you hear on the air most
> of the time, there are plenty of others who you DON'T hear on the air.
> They're too busy building their stuff, and using their licenses to do
> brief tests. Often the signals they put on the air are so close to
> the noise, that you'd be hard pressed to find them.
>
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> confines of what it is, then by all means use it. There is an
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> play with, but in fact you don't need a license to work with it. You
> can also experiment with the 902 to 928 MHz band. But if you want to
> try your hand at troposcatter or EME, you'd better get a ham radio
> license.
>
> This hobby is what you make of it. It's not about wiring the last
> mile to your house. It's a playground. It's an educational tool.
> And in emergencies, it's also a free form infrastructure for getting
> emergency traffic out to the rest of the world.
>
> Oh and by the way, APRS was a system concept developed first in ham
> radio. Maybe you've heard of Capstone and many other radio location
> broadcast schemes --but APRS was up and running years before.
> Likewise, the scheme used by our SCADA telemetry system where I work
> had been proven on the air back in late 1970s.
>
> You say there's no innovation. Well, in a mainstream sense you're
> right. But that's not what this hobby's about. And if you look among
> electrical engineers, you'll find a preponderance of ham radio
> enthusiasts as well.
>
> That's the nature of the hobby today. Oh, and speaking as one who was
> there, many of the early computer builders of the late 1970s and early
> 1980s were hams. Hams were the early adopters of the home computing
> movement. And one of the very first handful of computerized bulletin
> boards in the world was a ham radio board: Yes, it belonged to AMRAD,
> and I was a user.
>
> Yet, despite the storied history, ham radio doesn't have the word
> computer in it. Don't judge the state of the hobby by what we do or
> don't do with computers...
>
> 73,
>
> Jake Brodsky, AB3A mailto:frussle@erols.com
> "Beware of the massive impossible!"

2689. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-03 22:28:39 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0212032228070.4695-100000@exp.bde-arc.ampr.org>
Source record: 4563

On 3 Dec 2002, wej3715 wrote:
>...
>In fact, we find out that there are times when encryption is okay --
>for logging on to protect your password and for controlling amateur
>satellites. I thought the question was worth asking and the results
>bear it out.

Wrong. No such exception in the rules exist.

2690. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-03 23:53:06 UTC
From: Jim Pennino <jimp@specsol.com>
Message-ID: <asjg52$61e$1@mail.specsol.com>
Source record: 4564

D. Stussy <kd6lvw@bde-arc.ampr.org> wrote:
> On 3 Dec 2002, wej3715 wrote:
>>...
>>In fact, we find out that there are times when encryption is okay --
>>for logging on to protect your password and for controlling amateur
>>satellites. I thought the question was worth asking and the results
>>bear it out.

> Wrong. No such exception in the rules exist.

Bzzzt. Wrong answer. You lose. Next contestant please.

Sec 97.211, (b)

(b) A telecommand station may transmit special codes intended to
obscure the meaning of telecommand messages to the station in space
operation.

There is no mention I can find of passwords in the current regs.

<begin speculation>

I would expect if you were to ask the FCC if it were OK to use encryption
to protect a remote earth station from unauthorized access, they would
probably say it was OK as long as the encryption was only for access control.

This, however, remains to be seen.

Who will write the letter?

<end speculation>

--
Jim, if you can't quote the reg, you're just blowing smoke, Pennino

2691. Digimit 2002: an all-bands digital SSB/CW HF Transmitter

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-04 00:29:39 UTC
From: IV3NWV <nicolangelo.palermo@tin.it>
Message-ID: <3DED4C59.2090106@tin.it>
Source record: 4565

Hi everybody,

I've just completed to upload the web site of the new Digimit 2002
all-bands digital SSB/CW HF transmitter with lot of information.

If interested, please visit:

http://www.microtelecom.it/digimit/index.htm

Best regards,
nico - IV3NWV

2692. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-04 00:34:38 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0212040032420.4800-100000@exp.bde-arc.ampr.org>
Source record: 4566

On Tue, 3 Dec 2002, Jim Pennino wrote:
>D. Stussy <kd6lvw@bde-arc.ampr.org> wrote:
>> On 3 Dec 2002, wej3715 wrote:
>>>...
>>>In fact, we find out that there are times when encryption is okay --
>>>for logging on to protect your password and for controlling amateur
>>>satellites. I thought the question was worth asking and the results
>>>bear it out.
>
>> Wrong. No such exception in the rules exist.
>
>Bzzzt. Wrong answer. You lose. Next contestant please.

Sorry, You're wrong. He said AND, so BOTH must be true, not just one.

>Sec 97.211, (b)
>
>(b) A telecommand station may transmit special codes intended to
>obscure the meaning of telecommand messages to the station in space
>operation.
>
>There is no mention I can find of passwords in the current regs.

This validates my answer - this second case LACKS AUTHORITY in the rules.

><begin speculation>
>I would expect if you were to ask the FCC if it were OK to use encryption
>to protect a remote earth station from unauthorized access, they would
>probably say it was OK as long as the encryption was only for access control.
>
>This, however, remains to be seen.
>
>Who will write the letter?
>
><end speculation>

2693. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-04 00:40:15 UTC
From: wej3715@scully.tamu.edu
Message-ID: <asjitfpbj1@news.tamu.edu>
Source record: 4568

D. Stussy (kd6lvw@bde-arc.ampr.org) wrote:
: On 3 Dec 2002, wej3715 wrote:
: >...
: >In fact, we find out that there are times when encryption is okay --
: >for logging on to protect your password and for controlling amateur
: >satellites. I thought the question was worth asking and the results
: >bear it out.
:
: Wrong. No such exception in the rules exist.

In an earlier post, Dan Hoffman wrote:

Generally, encryption for the purposes of authentication is allowed
in the amateur service. E.g, authentication protocols such as
PPP/CHAP are probably fine. Even SSL/TLS or SSH certificate-based
>authentication< would probably also be OK if you used null encryption
for actual data transport. So you don't really have to go as far as
one-time passwords.

The one exception in Part 97 that I am aware of is that encryption of
the tracking, telemetry and command stream (i.e. TT&C) between a
controlling ground station and an amateur satellite is allowed (so
that someone can't hack the satellite).

Or are the exceptions in the enforcement and not in the rules?

Eric Johnson

2694. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-04 00:56:23 UTC
From: Jim Pennino <jimp@specsol.com>
Message-ID: <asjjrnhhe1@mail.specsol.com>
Source record: 4567

D. Stussy <kd6lvw@bde-arc.ampr.org> wrote:
> On Tue, 3 Dec 2002, Jim Pennino wrote:
>>D. Stussy <kd6lvw@bde-arc.ampr.org> wrote:
>>> On 3 Dec 2002, wej3715 wrote:
>>>>...
>>>>In fact, we find out that there are times when encryption is okay --
>>>>for logging on to protect your password and for controlling amateur
>>>>satellites. I thought the question was worth asking and the results
>>>>bear it out.
>>
>>> Wrong. No such exception in the rules exist.
>>
>>Bzzzt. Wrong answer. You lose. Next contestant please.

> Sorry, You're wrong. He said AND, so BOTH must be true, not just one.

>>Sec 97.211, (b)
>>
>>(b) A telecommand station may transmit special codes intended to
>>obscure the meaning of telecommand messages to the station in space
>>operation.
>>
>>There is no mention I can find of passwords in the current regs.

> This validates my answer - this second case LACKS AUTHORITY in the rules.

>><begin speculation>
>>I would expect if you were to ask the FCC if it were OK to use encryption
>>to protect a remote earth station from unauthorized access, they would
>>probably say it was OK as long as the encryption was only for access control.
>>
>>This, however, remains to be seen.
>>
>>Who will write the letter?
>>
>><end speculation>

Oh jeez, a syntactics nitpick.

OK, you da man. Feel better now?

Sec 97.211, (b) still stands on it's own merits.

--
Jim Pennino

2695. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-04 01:16:13 UTC
From: Jim Pennino <jimp@specsol.com>
Message-ID: <asjl0t$j9c$1@mail.specsol.com>
Source record: 4569

wej3715 <wej3715@scully.tamu.edu> wrote:
> D. Stussy (kd6lvw@bde-arc.ampr.org) wrote:
> : On 3 Dec 2002, wej3715 wrote:
> : >...
> : >In fact, we find out that there are times when encryption is okay --
> : >for logging on to protect your password and for controlling amateur
> : >satellites. I thought the question was worth asking and the results
> : >bear it out.
> :
> : Wrong. No such exception in the rules exist.

> In an earlier post, Dan Hoffman wrote:

> Generally, encryption for the purposes of authentication is allowed
> in the amateur service. E.g, authentication protocols such as
> PPP/CHAP are probably fine. Even SSL/TLS or SSH certificate-based
> >authentication< would probably also be OK if you used null encryption
> for actual data transport. So you don't really have to go as far as
> one-time passwords.

> The one exception in Part 97 that I am aware of is that encryption of
> the tracking, telemetry and command stream (i.e. TT&C) between a
> controlling ground station and an amateur satellite is allowed (so
> that someone can't hack the satellite).

> Or are the exceptions in the enforcement and not in the rules?

> Eric Johnson

As stated earlier, the only explicit exemptions found are for satellite
control.

In my opinion, the FCC probably doesn't care if the encryption is limited
purely to authentication for the purposes of remote control, but it is
easy enough to find out for sure.

If anyone is really, really, really concerned, write the FCC and ask for
an official opinion.

--
Jim Pennino

2696. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-04 02:56:36 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <E9eH9.37219$vM1.2889620@bgtnsc04-news.ops.worldnet.att.net>
Source record: 4570

"Jim Pennino" <jimp@specsol.com> wrote in message
news:asjl0t$j9c$1@mail.specsol.com...
> wej3715 <wej3715@scully.tamu.edu> wrote:
> > D. Stussy (kd6lvw@bde-arc.ampr.org) wrote:
> > : On 3 Dec 2002, wej3715 wrote:
> > : >...
> > : >In fact, we find out that there are times when encryption is okay --
> > : >for logging on to protect your password and for controlling amateur
> > : >satellites. I thought the question was worth asking and the results
> > : >bear it out.
> > :
> > : Wrong. No such exception in the rules exist.
>
> > In an earlier post, Dan Hoffman wrote:
>
> > Generally, encryption for the purposes of authentication is allowed
> > in the amateur service. E.g, authentication protocols such as
> > PPP/CHAP are probably fine. Even SSL/TLS or SSH certificate-based
> > >authentication< would probably also be OK if you used null encryption
> > for actual data transport. So you don't really have to go as far as
> > one-time passwords.
>
> > The one exception in Part 97 that I am aware of is that encryption of
> > the tracking, telemetry and command stream (i.e. TT&C) between a
> > controlling ground station and an amateur satellite is allowed (so
> > that someone can't hack the satellite).
>
> > Or are the exceptions in the enforcement and not in the rules?
>
> > Eric Johnson
>
> As stated earlier, the only explicit exemptions found are for satellite
> control.
>
> In my opinion, the FCC probably doesn't care if the encryption is limited
> purely to authentication for the purposes of remote control, but it is
> easy enough to find out for sure.
>
> If anyone is really, really, really concerned, write the FCC and ask for
> an official opinion.

In general, the FCC follows the simplest rule for such queries:
"Ask and you will be denied."

Note that challange-response security has been in use for the control
of packet nodes and servers since at least 1988. This is a tad different
situation than encryption, since all data is sent in the clear. Of course
the shared secret must be installed into the remote node in some manner,
usually burned into an eprom or entered on-site via an RS-232 link.

--

... Hank

Chaos, panic, and disorder - my work here is done.

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2697. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-04 06:00:46 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <iSgH9.4547$6Y4.1254@news1.central.cox.net>
Source record: 4571

"Hank Oredson" <horedson@att.net> wrote
>
> In general, the FCC follows the simplest rule for such queries:
> "Ask and you will be denied."

And replies to all attempts to change the rules with "this proposal
is premature, as there is no concensus among amateurs..."

2698. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-04 08:46:39 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0212040846070.5030-100000@exp.bde-arc.ampr.org>
Source record: 4572

On 4 Dec 2002, wej3715 wrote:
>D. Stussy (kd6lvw@bde-arc.ampr.org) wrote:
>: On 3 Dec 2002, wej3715 wrote:
>: >...
>: >In fact, we find out that there are times when encryption is okay --
>: >for logging on to protect your password and for controlling amateur
>: >satellites. I thought the question was worth asking and the results
>: >bear it out.
>:
>: Wrong. No such exception in the rules exist.
>
>In an earlier post, Dan Hoffman wrote:
>
> Generally, encryption for the purposes of authentication is allowed
> in the amateur service. E.g, authentication protocols such as
> PPP/CHAP are probably fine. Even SSL/TLS or SSH certificate-based
> >authentication< would probably also be OK if you used null encryption
> for actual data transport. So you don't really have to go as far as
> one-time passwords.
>
> The one exception in Part 97 that I am aware of is that encryption of
> the tracking, telemetry and command stream (i.e. TT&C) between a
> controlling ground station and an amateur satellite is allowed (so
> that someone can't hack the satellite).
>
>Or are the exceptions in the enforcement and not in the rules?

As I said, there is no exceptions whatsoever for the encryption of passwords in
the rules.

2699. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-04 18:13:04 UTC
From: Don Hoffman <nospam@dhoffman.net>
Message-ID: <2qfsuu8vka9qn1joo9pm69dv396lheeqci@4ax.com>
Source record: 4573

On Wed, 04 Dec 2002 02:56:36 GMT, "Hank Oredson" <horedson@att.net>
wrote:
>
>Note that challange-response security has been in use for the control
>of packet nodes and servers since at least 1988. This is a tad different
>situation than encryption, since all data is sent in the clear. Of course
>the shared secret must be installed into the remote node in some manner,
>usually burned into an eprom or entered on-site via an RS-232 link.

Hank got it right. The protocols I mention do not set up an
encrypted data stream and send the password over that.

Strictly speaking however, they do use encryption techniques. A
classical (and oversimplified) approach would be to take a known
(typically random) number and encrypt it (using either private key
cryptography and a shared secret key, or public key crypto and the
private key of the sender). If the recipient can decrypt the number
back to the known value then he knows the sender had either the shared
secret, or the private key (the secret half of a public/private key
pair) and is probably who he says he is (unless the secret has been
stolen). Lots of variations, but this is the basic idea. Any good
book on applied cryptography will discuss the other variants.

From the POV of this discussion, the idea is that the data item being
obscured not is particularly interesting nor would its contents allow
sending prohibited transmissions. (However I guess a 32 bit field
could on randomly occasion contain ASCII representations of 4 letter
words :-)). I guess we can take Hank's example as an existence proof
of the acceptability of this approach to the FCC.

Obviously, if the remote node is a computer with an operator
interface, you can just type the secret in. (Although this could get
tedious for the cryptographically stronger approaches)

Don

Posted Via Uncensored-News.Com - Still Only $9.95 - http://www.uncensored-news.com
<><><><><><><><> The Worlds Uncensored News Source <><><><><><><><><>

2700. Re: Legal question - Encrypted data over ham radio

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-04 18:36:11 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <vWrH9.43084$hK4.3816493@bgtnsc05-news.ops.worldnet.att.net>
Source record: 4574

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:iSgH9.4547$6Y4.1254@news1.central.cox.net...
>
> "Hank Oredson" <horedson@att.net> wrote
> >
> > In general, the FCC follows the simplest rule for such queries:
> > "Ask and you will be denied."
>
> And replies to all attempts to change the rules with "this proposal
> is premature, as there is no concensus among amateurs..."

Exactly.

The "classic example" is 85-105. Took quite a bit of time to put
together the request, get the ARRL to sponsor it, gather comments,
etc. etc. etc.

--

... Hank

Chaos, panic, and disorder - my work here is done.

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2701. Re: Un-American TC-70-1 ATV

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-05 11:53:58 UTC
From: N5ASA <n5asa@colla.com>
Message-ID: <asndn40a5h@enews4.newsguy.com>
Source record: 4575

Un-American I am Not!!

I served in the Military, and No I was Not Drafted! Patriotic? Yes Very
much!
I am sorry If I offended them with the Displaying of My Flag ("Our" meaning
The American's Flag).
I thought that using the American Flag for a Back drop, would be appropriate
for these Troubled times & a Good
Way to show my patriotism!
I will Show Display my flag anyway I wish...It will not TOUCH the Ground.

It has been a couple of years ...3 yrs, since I have been on this or other
NG's . The Last Post
I made was to listed as:

TO ALL,

Merry Christmas and have a Happy New year!

Boy Did I get Flamed,.....Some A-Hole Said I was shoving a Pagan Holiday
down his throat! because I
posed it "TO ALL" That he did not Believe in Jesus Christ.

Well I DO! Some people have nothing better to do then Qrm,Troll, &
antagonize others for Typos, misspellings and such ...In my opinion They are
wasting Bandwidth!

In Short..If you don't Like it.....Shove-it!

By the way... Merry Christmas and a Happy New Year! .....TO ALL

73 Larry N5ASA

"charlesb" <n5pvl@sbcglobal.net> wrote in message
news:Z43H9.154$MC6.143992998@newssvr30.news.prodigy.com...

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:fqRG9.75955$ji1.65310@news1.central.cox.net...
> "Charles, N5PVL" <n5pvl@sbcglobal.net> wrote
> >
> > I seriously doubt that any disrespect for the U.S. flag or "cashing in"
was
> > intended...
>
> That's not what I meant. I wouldn't have a problem with his
> putting a picture of a flag beside the sale, but a real flag used to
> hold his swap shop items is a whole different thing.
>

> He probably grabs the flag and a stick, and like a hobo takes all
> the stuff to the next swap meet...

Stop it! You're killing me! When I read about the guy going "hobo" and fixing himself up a bindlestiff, I ended up shooting coffee out of my nose, all over my keyboard.

I hope you're proud of yourself!

Charles, N5PVL

2702. Re: Un-American >>To whom it may concern Un-subscribed !

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-05 12:20:43 UTC
From: N5ASA <n5asa@colla.com>
Message-ID: <asnf9a0cna@enews4.newsguy.com>
Source record: 4576

To whom it may concern

I expect That this will go on for eternity, so I will make it short, I will not post any more on NG's,
nor anymore Reply's...I should have remembered or Considered my last confrontation on NG's.
I had Liked to read some of the posts & comments on diff. topic's,I have even learned a thing or two.
I know most are Great people and sincerely here to help and others.....well nothing better to do.

73 all
Larry N5ASA

(Un-subscribed)

"N5ASA" <n5asa@colla.com> wrote in message
news:asndn40a5h@enews4.newsguy.com...
Un-American I am Not!!

I served in the Military, and No I was Not Drafted! Patriotic? Yes Very much!
I am sorry If I offended them with the Displaying of My Flag ("Our" meaning The American's Flag).
I thought that using the American Flag for a Back drop, would be appropriate for these Troubled times & a Good
Way to show my patriotism!
I will Show Display my flag anyway I wish...It will not TOUCH the Ground.

It has been a couple of years ...3 yrs, since I have been on this or other NG's . The Last Post
I made was to listed as:

TO ALL,

Merry Christmas and have a Happy New year!

Boy Did I get Flamed,.....Some A-Hole Said I was shoving a Pagan Holiday down his throat! because I
posed it "TO ALL" That he did not Believe in Jesus Christ.

Well I DO! Some people have nothing better to do then Qrm,Troll, & antagonize others for Typos, misspellings and such ...In my opinion They are wasting Bandwidth!

In Short..If you don't Like it.....Shove-it!

By the way... Merry Christmas and a Happy New Year! ....TO ALL

73 Larry N5ASA

"charlesb" <n5pvl@sbcglobal.net> wrote in message
news:Z43H9.154$MC6.143992998@newssvr30.news.prodigy.com...

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
news:fqRG9.75955$ji1.65310@news1.central.cox.net...
> "Charles, N5PVL" <n5pvl@sbcglobal.net> wrote
> >
> > I seriously doubt that any disrespect for the U.S. flag or "cashing in"
was
> > intended...
>
> That's not what I meant. I wouldn't have a problem with his
> putting a picture of a flag beside the sale, but a real flag used to
> hold his swap shop items is a whole different thing.
>
> He probably grabs the flag and a stick, and like a hobo takes all
> the stuff to the next swap meet...

Stop it! You're killing me! When I read about the guy going "hobo" and
fixing himself up a bindlestiff, I ended up shooting coffee out of my nose,
all over my keyboard.

I hope you're proud of yourself!

Charles, N5PVL

2703. opto isolation

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-05 21:54:04 UTC
From: peter talbot <peterm1dgq@foxbot.freeserve.co.uk>
Message-ID: <asohrhsgc1@news5.svr.pol.co.uk>
Source record: 4577

can anyone help with some circuit design
i need to isolate sound from my sound card to the rig useing opto isolators
not transformers how do i do this

cheers peter m1dgq /m3dgq

2704. Remote Soundcard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-05 21:55:58 UTC
From: Alex <Me@the.net>
Message-ID: <asoi1djfm1@venus.btinternet.com>
Source record: 4578

Hi all

This may seem like an odd question but has anybody seen, or devised, a method for operating the soundcard in a pc over a network? I would like to be able to use the soundcard in my PC, which is connected to the HF radio, from another pc over a wireless lan?

Thanks

Alex

2705. Re: Remote Soundcard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-06 00:05:40 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <oRRH9.45050$hK4.3966956@bgtnsc05-news.ops.worldnet.att.net>
Source record: 4579

Assuming you run Windows or Linux ...

Investigate VNC. Maybe you can do what you want ...
http://www.realvnc.com/

--

... Hank

Chaos, panic, and disorder - my work here is done.

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"Alex" <Me@the.net> wrote in message news:asoi1djfm1@venus.btinternet.com...
> Hi all
>
> This may seem like an odd question but has anybody seen, or devised, a
> method for operating the soundcard in a pc over a network? I would like to
> be able to use the soundcard in my PC, which is connected to the HF radio,
> from another pc over a wireless lan?
>
> Thanks
>
> Alex
>
>

2706. Re: opto isolation

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-06 00:22:38 UTC
From: James Horn <jimhorn@svn.net>
Message-ID: <3deffbde@news.svn.net>
Source record: 4580

http://www.vishay.com/docs/83708/app50.pdf

WB9SYN/6

2707. Re: Un-American >>To whom it may concern Un-subscribed !

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-06 01:39:40 UTC
From: "J. Duffy Beischel" <jduffy@zoomtown.com>
Message-ID: <3DEFFFDC.4030006@zoomtown.com>
Source record: 4581

Larry,

Don't get upset over this. This was just an example of how insane this country has become. People get offended over everything anymore and lash out over the stupidist little things. People just have too much time on their hands today so the only thing they know how to do is become offended and complain about everything.

N5ASA wrote:

>To whom it may concern
>
>I expect That this will go on for eternity, so I will make it short, I will
>not post any more on NG's,
> nor anymore Reply's...I should have remembered or Considered my last
>confrontation on NG's.
>I had Liked to read some of the posts & comments on diff. topic's,I have
>even learned a thing or two.
>I know most are Great people and sincerely here to help and others.....well
>nothing better to do.
>
>73 all
>Larry N5ASA
>
>(Un-subscribed)
>
>_____
>"N5ASA" <n5asa@colla.com> wrote in message
>news:asndn40a5h@enews4.newsguy.com...
>Un-American I am Not!!
>
>I served in the Military, and No I was Not Drafted! Patriotic? Yes Very
>much!
>I am sorry If I offended them with the Displaying of My Flag ("Our" meaning
>The American's Flag).
>I thought that using the American Flag for a Back drop, would be appropriate
>for these Troubled times & a Good
>Way to show my patriotism!
>I will Show Display my flag anyway I wish...It will not TOUCH the Ground.
>
>It has been a couple of years ...3 yrs, since I have been on this or other
>NG's . The Last Post
>I made was to listed as:
>
>TO ALL,

>
>Merry Christmas and have a Happy New year!
>
>Boy Did I get Flamed,.....Some A-Hole Said I was shoving a Pagan Holiday
>down his throat! because I
>posed it "TO ALL" That he did not Believe in Jesus Christ.
>
>Well I DO! Some people have nothing better to do then Qrm,Troll, &
>antagonize others for Typos, misspellings and such ...In my opinion They are
>wasting Bandwidth!
>
>In Short..If you don't Like it.....Shove-it!
>
>By the way... Merry Christmas and a Happy New Year! .....TO ALL
>
>73 Larry N5ASA
>
>
>"charlesb" <n5pvl@sbcglobal.net> wrote in message
>news:Z43H9.154$MC6.143992998@newssvr30.news.prodigy.com...
>
>"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message
>news:fqRG9.75955$ji1.65310@news1.central.cox.net...
>
>
>>"Charles, N5PVL" <n5pvl@sbcglobal.net> wrote
>>
>>
>>>I seriously doubt that any disrespect for the U.S. flag or "cashing in"
>>>
>>>
>was
>
>
>>>intended...
>>>
>>>
>>That's not what I meant. I wouldn't have a problem with his
>>putting a picture of a flag beside the sale, but a real flag used to
>>hold his swap shop items is a whole different thing.
>>
>>He probably grabs the flag and a stick, and like a hobo takes all
>>the stuff to the next swap meet...
>>
>>
>
>Stop it! You're killing me! When I read about the guy going "hobo" and
>fixing himself up a bindlestiff, I ended up shooting coffee out of my nose,
>all over my keyboard.
>

>I hope you're proud of yourself!
>
>Charles, N5PVL
>
>
>
>
>
>
>

2708. Re: Remote Soundcard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-06 21:02:00 UTC
From: g0lfp@hotmail.com
Message-ID: <memo.20021206210209.10529A@127.0.0.1>
Source record: 4582

In article <oRRH9.45050$hK4.3966956@bgtnsc05-news.ops.worldnet.att.net>,
horedson@att.net (Hank Oredson) wrote:

> Assuming you run Windows or Linux ...
>
> Investigate VNC. Maybe you can do what you want ...
> http://www.realvnc.com/
>
> --
>
> ... Hank
>
> Chaos, panic, and disorder - my work here is done.
>
> Hank: http://horedson.home.att.net
> W0RLI: http://w0rli.home.att.net
>
> "Alex" <Me@the.net> wrote in message
> > news:asoi1djfm1@venus.btinternet.com...
> > Hi all
> >
> > This may seem like an odd question but has anybody seen, or devised, a
> > method for operating the soundcard in a pc over a network? I would
> > like to
> > be able to use the soundcard in my PC, which is connected to the HF
> > radio,
> > from another pc over a wireless lan?
> >
> > Thanks
> >
> > Alex
> >
> >
>
>
>
I use Netmeeting remote desktop sharing for a similar application here.
So that I can check APRS activity without leaving my office ;-)

regards - Steve
ICQ 8554470

2709. Re: Remote Soundcard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-06 22:35:49 UTC
From: Alex <Me@the.net>
Message-ID: <asr8o2$sj3$1@venus.btinternet.com>
Source record: 4583

Hank

Thanks for that,

I thought about vnc but I suspect speed may be a problem. What I am after
and may have to end up writing is some software that will pass raw data to
and from the soundcard on a remote pc over a lan.

Alex

"Hank Oredson" <horedson@att.net> wrote in message
news:oRRH9.45050$hK4.3966956@bgtnsc05-news.ops.worldnet.att.net...
> Assuming you run Windows or Linux ...
>
> Investigate VNC. Maybe you can do what you want ...
> http://www.realvnc.com/
>
> --
>
> ... Hank
>
> Chaos, panic, and disorder - my work here is done.
>
> Hank: http://horedson.home.att.net
> W0RLI: http://w0rli.home.att.net
>
> "Alex" <Me@the.net> wrote in message
news:asoi1djfm1@venus.btinternet.com...
> > Hi all
> >
> > This may seem like an odd question but has anybody seen, or devised, a
> > method for operating the soundcard in a pc over a network? I would like
to
> > be able to use the soundcard in my PC, which is connected to the HF
radio,
> > from another pc over a wireless lan?
> >
> > Thanks
> >
> > Alex
> >
> >
>
>

2710. Re: Remote Soundcard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-06 22:50:50 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <eR9I9.257$JE.25@news1.central.cox.net>
Source record: 4584

Check out www.tightvnc.com

This should work well even over a modem.

"Alex" <Me@the.net> wrote in message news:asr8o2$sj3$1@venus.btinternet.com...
> Hank
>
> Thanks for that,
>
> I thought about vnc but I suspect speed may be a problem. What I am after
> and may have to end up writing is some software that will pass raw data to
> and from the soundcard on a remote pc over a lan.
>
> Alex

2711. Re: Remote Soundcard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-06 22:53:26 UTC
From: Alex <Me@the.net>
Message-ID: <asr9p6$k7o$1@helle.btinternet.com>
Source record: 4585

Hmm it seems that Analyzer2000 will do some of what I need. Time to
download and have a play

"Hank Oredson" <horedson@att.net> wrote in message
news:oRRH9.45050$hK4.3966956@bgtnsc05-news.ops.worldnet.att.net...
> Assuming you run Windows or Linux ...
>
> Investigate VNC. Maybe you can do what you want ...
> http://www.realvnc.com/
>
> --
>
> ... Hank
>
> Chaos, panic, and disorder - my work here is done.
>
> Hank: http://horedson.home.att.net
> W0RLI: http://w0rli.home.att.net
>
> "Alex" <Me@the.net> wrote in message
news:asoi1djfm1@venus.btinternet.com...
> > Hi all
> >
> > This may seem like an odd question but has anybody seen, or devised, a
> > method for operating the soundcard in a pc over a network? I would like
to
> > be able to use the soundcard in my PC, which is connected to the HF
radio,
> > from another pc over a wireless lan?
> >
> > Thanks
> >
> > Alex
> >
> >
>
>

2712. Re: Remote Soundcard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-06 23:31:31 UTC
From: Alex <Me@the.net>
Message-ID: <asrc0j$c0v$1@knossos.btinternet.com>
Source record: 4586

Steve

Thanks for that. I should have mentioned that I always use tight vnc.

My aim is to be able to run psk software ovre a wireless network (11Mb). I did some test today with vnc and MixW and the results were not too bad I stumbeled across Analyzer2000 which appears to have a remote client facility which I am currently downloading to experiment with.

Alex

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message news:eR9I9.257$JE.25@news1.central.cox.net...
> Check out www.tightvnc.com
>
> This should work well even over a modem.
>
> "Alex" <Me@the.net> wrote in message news:asr8o2$sj3$1@venus.btinternet.com...
> > Hank
> >
> > Thanks for that,
> >
> > I thought about vnc but I suspect speed may be a problem. What I am after
> > and may have to end up writing is some software that will pass raw data to
> > and from the soundcard on a remote pc over a lan.
> >
> > Alex
>
>

2713. Re: SSTV.. what is needed ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-07 16:08:50 UTC
From: Klaus Kramer <DL4KCK@t-online.de>
Message-ID: <3DF21D12.2030003@t-online.de>
Source record: 4587

Dorian Creber wrote:
> What's needed to run SSTV... I already run packet off an old Tiny 2 tnc...
>
Hello,

at first please read some explanations about the analog mode
SSTV (slow scan television, still pictures in b&w or colour
are exchanged besides vocal contact). It has nothing in
common with packet, pactor or the like, even if run over a
PC soundcard...

Look at http://www.ultranet.com/~sstv

73 Klaus, DL4KCK

2714. 6 meter packet question?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-08 14:52:34 UTC
From: N8XYN <n8xyn@worldnet.att.net>
Message-ID: <S0JI9.49497$hK4.4313259@bgtnsc05-news.ops.worldnet.att.net>
Source record: 4588

I've read and reread and really gotten nowhere, can someone inform me as to what mode and frequencies might be best to make a few DX contacts on 6 meter packet? I'm thinking APRS but read somewhere that 9600 baud was the way to go, if I remember right 9600 is not allowed on 6 meters? I've found several frequencies listed 50.620, 53.530 and a few others, hearing nothing at all. tnx

2715. N8XYN 50.620 FM Looking for contacts!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-08 18:47:39 UTC
From: N8XYN <n8xyn@worldnet.att.net>
Message-ID: <ftMI9.49932$hK4.4341049@bgtnsc05-news.ops.worldnet.att.net>
Source record: 4589
Cross-posted to: aus.radio.amateur.digital,rec.radio.amateur.digital.misc,rec.radio.amateur.misc

For the next few weeks I'll be running APRS 1200 baud on 50.620 MHz. I'll be beaming West from EM89 (SW Ohio) 100 watts beacon every 5 minuets. Anyone wanna play?

2716. Re: 6 meter packet question?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-08 21:58:14 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0212082155160.2104-100000@exp.bde-arc.ampr.org>
Source record: 4590

On Sun, 8 Dec 2002, N8XYN wrote:
>I've read and reread and really gotten nowhere, can someone inform me as to
>what mode and frequencies might be best to make a few DX contacts on 6 meter
>packet? I'm thinking APRS but read somewhere that 9600 baud was the way to
>go, if I remember right 9600 is not allowed on 6 meters? I've found
>several frequencies listed 50.620, 53.530 and a few others, hearing nothing
>at all. tnx

9600 baud (top speed 19,200 baud) is permitted on 6 meters.

[U.S. Rules:]
HF and lower frequencies: 300 baud
10m: 1200 baud
VHF (all 3 bands): 19,600 per rules; standard UART speed = 19,200 baud
70cm: 57,600 baud.
33cm and higher frequencies: No limit.

2717. Re: 6 meter packet question?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-08 23:46:52 UTC
From: N8XYN <n8xyn@worldnet.att.net>
Message-ID: <MRQI9.50447$hK4.4376306@bgtnsc05-news.ops.worldnet.att.net>
Source record: 4591

Thank you, no to find out how to connect up a TS60 to run 9600.

"D. Stussy" <kd6lvw@bde-arc.ampr.org> wrote in message
news:Pine.LNX.4.44.0212082155160.2104-100000@exp.bde-arc.ampr.org...
> On Sun, 8 Dec 2002, N8XYN wrote:
> >I've read and reread and really gotten nowhere, can someone inform me as
to
> >what mode and frequencies might be best to make a few DX contacts on 6
meter
> >packet? I'm thinking APRS but read somewhere that 9600 baud was the way
to
> >go, if I remember right 9600 is not allowed on 6 meters? I've found
> >several frequencies listed 50.620, 53.530 and a few others, hearing
nothing
> >at all. tnx
>
> 9600 baud (top speed 19,200 baud) is permitted on 6 meters.
>
> [U.S. Rules:]
> HF and lower frequencies: 300 baud
> 10m: 1200 baud
> VHF (all 3 bands): 19,600 per rules; standard UART speed = 19,200 baud
> 70cm: 57,600 baud.
> 33cm and higher frequencies: No limit.
>

2718. Re: N8XYN 50.620 FM Looking for contacts!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-09 01:21:20 UTC
From: Alex V Flinsch <avflinsch@att.net>
Message-ID: <pan.2002.12.09.01.17.08.165685@att.net>
Source record: 4592
Cross-posted to: aus.radio.amateur.digital,rec.radio.amateur.digital.misc,rec.radio.amateur.misc

On or about Sun, 08 Dec 2002 18:47:39 +0000, "N8XYN"
<n8xyn@worldnet.att.net> wrote about the following in article
<ftMI9.49932$hK4.4341049@bgtnsc05-news.ops.worldnet.att.net>:

> For the next few weeks I'll be running APRS 1200 baud on 50.620 MHz. I'll
> be beaming West from EM89 (SW Ohio) 100 watts beacon every 5 minuets.
> Anyone wanna play?

I'm willing to try, but you will have to rotate your beam 180 degrees, and
point it east to NJ.

--
Alex / KC2IVL
ft100 software for Linux http://www.qsl.net/kc2ivl
"Good judgment comes from experience,
and a lot of that comes from bad judgment"

2719. common packet ssid's

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-09 02:13:03 UTC
From: harryhydro@hotmail.com
Message-ID: <10e8ec27.0212081813.6aa174bf@posting.google.com>
Source record: 4593

Hi Folks:
I know this is an OLD topic: I've used a Commodore and Digicom (I think) on packet a long time ago.. Then, there seemed to be some logic to the SSID's used.. If I remember right, when a call with an SSID of 2 went through a digipeater, the digipeater would take 15 and subract that SSID and that would be the digipeated call. Ex, if I were to use KB2MEN-1, the Digipeater would transmit KB2MEN-14. On the Commodore, it used hex (1~F). Back then, you could tell what a station was by it's SSID. A node had maybe -2, and a digi -10, a PBBS -4, I can't remember what -3 was.. Maybe -3 was a digi..
My question, was/is there a standard to what SSID to use for what?
Thanks!
Harry

2720. Programming Standard GX1500

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-09 17:02:35 UTC
From: LB <"no mail">
Message-ID: <at2ii3bpk1@slb1.atl.mindspring.net>
Source record: 4594

I built a cable following the schematic for the Yaesu VX-1R illustrated in

http://www.icongrp.com/~sllewd/pcware.htm.

I am using the correct s/w but cannot get it to read or to program the radio.

Does anyone know if this schematic will work? Is there some other?

2721. Re: Remote Soundcard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-09 17:49:20 UTC
From: Brian D Sammon <bs56+@andrew.cmu.edu>
Message-ID: <200212091749.gB9HnKBH023940@smtp7.andrew.cmu.edu>
Source record: 4595

> This may seem like an odd question but has anybody seen, or devised, a
> method for operating the soundcard in a pc over a network? I would like to
> be able to use the soundcard in my PC, which is connected to the HF radio,
> from another pc over a wireless lan?

There is the NAS project at http://radscan.com/nas/nas-links.html
It was developed on Linux.

I think recently, it has been ported to Windows. Check out
http://linux.intra-links.net/ Also, check out the NAS mailing-list
archives.

A long while back, when I was searching for network-audio systems, I
discovered a few Windoze-only systems, but I don't remember what they
were.

2722. Re: common packet ssid's

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-10 00:48:45 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0212100042380.2834-100000@exp.bde-arc.ampr.org>
Source record: 4596

On 8 Dec 2002, harry wrote:
>Hi Folks:
> I know this is an OLD topic: I've used a Commodore and Digicom
>(I think) on packet a long time ago.. Then, there seemed to be some
>logic to the SSID's used.. If I remember right, when a call with an
>SSID of 2 went through a digipeater, the digipeater would take 15 and
>subract that SSID and that would be the digipeated call. Ex, if I
>were to use KB2MEN-1, the Digipeater would transmit KB2MEN-14. On the
>Commodore, it used hex (1~F). Back then, you could tell what a
>station was by it's SSID. A node had maybe -2, and a digi -10, a PBBS
>-4, I can't remember what -3 was.. Maybe -3 was a digi..
> My question, was/is there a standard to what SSID to use for
>what?

This type of "standard" (if any) varied by region.

In my area:
-3 was for TCP/IP on 2m.
-5 was for TCP/IP on 70cm.

Usually:
-0 (i.e. no SSID) was for a live person (or a BBS if a club call).
-1 is typically for an individual maildrop (including a TNC's maildrop).
other SSID's indicated automated functions.

You are correct that NET/ROM repeating may use (15-SSID) to generate a new SSID
for an outgoing, repeated session. For that reason, SSIDs above 7 (i.e. 8-15)
are generally not used on the air by their originating stations. True
digipeating will NOT alter the SSID.

2723. Re: common packet ssid's

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-11 22:19:03 UTC
From: harryhydro@hotmail.com
Message-ID: <10e8ec27.0212111419.7199a77f@posting.google.com>
Source record: 4597

OK. Thanks for the good information. Are you saying NET/ROM as in a
node, my SSID would be 15-SSID?
Harry

"D. Stussy" <kd6lvw@bde-arc.ampr.org> wrote in message
news:<Pine.LNX.4.44.0212100042380.2834-100000@exp.bde-arc.ampr.org>...
> On 8 Dec 2002, harry wrote:
> >Hi Folks:
> > I know this is an OLD topic: I've used a Commodore and Digicom
> >(I think) on packet a long time ago.. Then, there seemed to be some
> >logic to the SSID's used.. If I remember right, when a call with an
> >SSID of 2 went through a digipeater, the digipeater would take 15 and
> >subract that SSID and that would be the digipeated call. Ex, if I
> >were to use KB2MEN-1, the Digipeater would transmit KB2MEN-14. On the
> >Commodore, it used hex (1~F). Back then, you could tell what a
> >station was by it's SSID. A node had maybe -2, and a digi -10, a PBBS
> >-4, I can't remember what -3 was.. Maybe -3 was a digi..
> > My question, was/is there a standard to what SSID to use for
> >what?
>
> This type of "standard" (if any) varied by region.
>
> In my area:
> -3 was for TCP/IP on 2m.
> -5 was for TCP/IP on 70cm.
>
> Usually:
> -0 (i.e. no SSID) was for a live person (or a BBS if a club call).
> -1 is typically for an individual maildrop (including a TNC's maildrop).
> other SSID's indicated automated functions.
>
> You are correct that NET/ROM repeating may use (15-SSID) to generate a new SSID
> for an outgoing, repeated session. For that reason, SSIDs above 7 (i.e. 8-15)
> are generally not used on the air by their originating stations. True
> digipeating will NOT alter the SSID.

2724. Re: common packet ssid's

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-11 23:36:49 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0212112333410.650-100000@exp.bde-arc.ampr.org>
Source record: 4598

On 11 Dec 2002, harry wrote:
>OK. Thanks for the good information. Are you saying NET/ROM as in a
>node, my SSID would be 15-SSID?
>Harry

I am saying that when you pass through a node by connecting in then connecting out, yes. Example: You connect in as CALL-3. If you then connect out, that connection out will go out as CALL-12. This is not the same as a NET/ROM to NET/ROM transport when you have requested a connection at one node to a non-adjacent node; that's an automatically routed connection. I'm talking about MANUALLY made connections.

>"D. Stussy" <kd6lvw@bde-arc.ampr.org> wrote in message
news:<Pine.LNX.4.44.0212100042380.2834-100000@exp.bde-arc.ampr.org>...
>> On 8 Dec 2002, harry wrote:
>> >Hi Folks:
>> > I know this is an OLD topic: I've used a Commodore and Digicom
>> >(I think) on packet a long time ago.. Then, there seemed to be some
>> >logic to the SSID's used.. If I remember right, when a call with an
>> >SSID of 2 went through a digipeater, the digipeater would take 15 and
>> >subract that SSID and that would be the digipeated call. Ex, if I
>> >were to use KB2MEN-1, the Digipeater would transmit KB2MEN-14. On the
>> >Commodore, it used hex (1~F). Back then, you could tell what a
>> >station was by it's SSID. A node had maybe -2, and a digi -10, a PBBS
>> >-4, I can't remember what -3 was.. Maybe -3 was a digi..
>> > My question, was/is there a standard to what SSID to use for
>> >what?
>>
>> This type of "standard" (if any) varied by region.
>>
>> In my area:
>> -3 was for TCP/IP on 2m.
>> -5 was for TCP/IP on 70cm.
>>
>> Usually:
>> -0 (i.e. no SSID) was for a live person (or a BBS if a club call).
>> -1 is typically for an individual maildrop (including a TNC's maildrop).
>> other SSID's indicated automated functions.
>>
>> You are correct that NET/ROM repeating may use (15-SSID) to generate a new SSID
>> for an outgoing, repeated session. For that reason, SSIDs above 7 (i.e. 8-15)
>> are generally not used on the air by their originating stations. True
>> digipeating will NOT alter the SSID.

2725. Re: common packet ssid's

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-12 06:13:09 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <VNVJ9.49152$vM1.3957617@bgtnsc04-news.ops.worldnet.att.net>
Source record: 4599

There are no standards for SSID.

Some areas do one thing, some do another, some simply
do not worry about it at all. The SSID is not very important.

Some NET/ROM implementations change your SSID when
you downlink from them, some do not.

Again, it is just not important.

Has been like this since the very start of packet.

We tend to use 0 for the BBS callsign, -1 for the node callsign,
(and -2/-3, -4/-5 for second and third systems with the
same call etc.) but some folks do it differently.

Same goes for IP addresses. We tend to use 44.*.*.16 for
the "main router" at a given location, and then go up and down
from that for other hosts at the same location. Sometimes we
subnet 255.255.255.224 for systems that are tightly coupled
but not at the same location ... but this use is different in different
places, just like the SSID use.

Same comments for NET/ROM alias. We tend to use something
that hints at the location, like MTHOOD for Mount Hood, or
PARET for Parrett Mountain, or BALDPK for Bald Peak.
We tend to use things like RLIMB for the BBS alias, but that
is not at all standardized and we have things like WCEOC
and WCBBS for the Washington County EOC system node
and BBS alias:-)

There were several attempts, mostly in the 1984 - 1987 time
frame, to standardize SSID use. Too many attempts, and no
agreement every reached ;-(The same was true for NET/ROM
aliases in the 1986 - 1989 time frame. So we generally have
chaos and anarchy.

--

... Hank

Chaos, panic, and disorder - my work here is done.

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"harry" <harryhydro@hotmail.com> wrote in message
news:10e8ec27.0212081813.6aa174bf@posting.google.com...

> Hi Folks:
> I know this is an OLD topic: I've used a Commodore and Digicom
> (I think) on packet a long time ago.. Then, there seemed to be some
> logic to the SSID's used.. If I remember right, when a call with an
> SSID of 2 went through a digipeater, the digipeater would take 15 and
> subract that SSID and that would be the digipeated call. Ex, if I
> were to use KB2MEN-1, the Digipeater would transmit KB2MEN-14. On the
> Commodore, it used hex (1~F). Back then, you could tell what a
> station was by it's SSID. A node had maybe -2, and a digi -10, a PBBS
> -4, I can't remember what -3 was.. Maybe -3 was a digi..
> My question, was/is there a standard to what SSID to use for
> what?
> Thanks!
> Harry

2726. Common Packet SSID's

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-12 06:20:05 UTC
From: Joseph Fenn <jfenn@lava.net>
Message-ID: <Pine.BSI.4.44.0212112009220.18134-100000@malasada.lava.net>
Source record: 4600

Hey I am still using the C128 and Digicom V5. I pass traffic
from internet to MARS PBBS at Schofield Barracks which comes
in from Ft Huachuca AZ. At AB6USA (Schofield) there is some
kind of problem in their winlink 2.9 software settings. Or
maybe its my settings in Digicom. I seem to remember something
fuzzy about a certain param setting would prevent digipeating
thru a digipeater to get to the destination. Even if only
one digi is in the path. Well thats the problem with AB6USA!
I can send traffic to them all day without a frame reject running
1 watt output on VHF. I can also "connect" to the MARS
digi on top of a Mountain just behind AB6USA, but I cannot
Connect to AB6USA via the digi (MARS). What param in
Winlink2.9 or DIGICOM could put this block into effect.
Just to include the fact that we run an "un-proto" net on
Monday nights via the MARS digi with no problem at all.
Some of our MARS guys however cannot reach AB6USA direct due to
terrain, and they are the ones that need to capability of using
the MARS digi to get to AB6USA. Any ideas on what
params we should be changing to get thru MARS to AB6USA???
Either in Winlink2.9 or in DIGICOM. Dont think its in Digicom
as I am the only one using it, and all the others are using
PC's of various kinds and winlink and they cant do it either.
Any Help posted here or to my email (jfenn@lava.net) would
be worth a meg of thanks.
Joe/ABM6JF/KH6JF

****
* Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
****

2727. Modes Which Use A Soundcard Win, Mac, or Linux

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-13 00:36:02 UTC
From: Dave <g3vfp@blueyonder.co.uk>
Message-ID: <hY9K9.1556$2E.908@news-binary.blueyonder.co.uk>
Source record: 4601

If you are interested in PSK, MFSK, HELL, RTTY, SSTV or any other mode which uses the soundcard then you will find my site of interest. It carries most software's and is regularly udated.

www.g3vfp.org

Cheers,

Dave G3VFP

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.427 / Virus Database: 240 - Release Date: 07/12/2002

2728. Re: Modes Which Use A Soundcard Win, Mac, or Linux

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-13 02:44:34 UTC
From: Joseph Fenn <jfenn@lava.net>
Message-ID: <Pine.BSI.4.44.0212121639450.3648-100000@malasada.lava.net>
Source record: 4602

Sorry Dave but no! I have checked out psk and those sound card
things but they cannot maintain integrity for msg traffic.
Only G-tor and/or Pactor can do it absolutely. Last time I looked
nothing using a sound card can handshake frames of text and doing
a checksum on them before the data is accepted. Pactor and
Packet both do this therefore the integrity of msg traffic as
we use in MARS is never sacrificed!
Joe/ABM6JF

****
* Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
****

2729. Re: Modes Which Use A Soundcard Win, Mac, or Linux

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-13 03:20:36 UTC
From: xpyttl <xpyttl_nospam@earthling.net>
Message-ID: <uvikj3pjir1754@corp.supernews.com>
Source record: 4603

Joe

PSK, RTTY and similar modes don't have the error correction that packet has, that is true. However, it's not the soundcard that does it, it's the protocol. There are a few programs which can do the packet modes via the soundcard and they have similar integrity to the same modes using a TNC.

Granted, the numbers of programs which do this via the soundcard is small compared to the number that do PSK and similar modes, probably due to the fact that packet has lost popularity at the same time that soundcard interfaces were becoming popular. And, actually, AX.25 is a sort of tough thing to do in software. But it's not impossible, and programs like MixW do it quite adequately.

What I don't understand is why someone hasn't combined the relative resistance to errors on bad circuits that PSK and some of these modes demonstrate, with the error correction of packet.

..

"Joseph Fenn" <jfenn@lava.net> wrote in message
news:Pine.BSI.4.44.0212121639450.3648-100000@malasada.lava.net...
> Sorry Dave but no! I have checked out psk and those sound card
> things but they cannot maintain integrity for msg traffic.
> Only G-tor and/or Pactor can do it absolutely. Last time I looked
> nothing using a sound card can handshake frames of text and doing
> a checksum on them before the data is accepted. Pactor and
> Packet both do this therefore the integrity of msg traffic as
> we use in MARS is never sacrificed!
> Joe/ABM6JF
>
>
> **
> * Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
> **
>
>
>

2730. 3 - PacComm WA4DSY 56K RF Modems for sale

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-13 05:42:06 UTC
From: Evan Idler <evanNOSPAM@nosa.netNOSPAM>
Message-ID: <OqeK9.86150$Qr.2105929@news3.calgary.shaw.ca>
Source record: 4604

I have 3 - PacComm WA4DSY 56K RF Modems for sale.

$200.00 US each OBO

--Evan VE6EEI, VE6HSP, VE6UOA

evanNOSPAM@nosa.net (remove the NOSPAM)

2731. Packet ? NYC ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-13 13:07:52 UTC
From: Rickie <rickiev@hotmail.com>
Message-ID: <atcluk$11t9a3$1@ID-89515.news.dfncis.de>
Source record: 4605

Hi Guys,
I'm heading out tonight and taking the Tech Exam. Wish me luck.. My Question is.. Does anyone know any Packet system in NYC ? What's the callsign and Freq. ?

Thanks

Rickie

2732. Re: Packet ? NYC ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-13 13:22:17 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <dalK9.907$Fd2.547599538@newssvr11.news.prodigy.com>
Source record: 4606

"Rickie" <rickiev@hotmail.com> wrote in message
news:atcluk$11t9a3$1@ID-89515.news.dfncis.de...
> Hi Guys,
> I'm heading out tonight and taking the Tech Exam. Wish me luck.. My
> Question is.. Does anyone know any Packet system in NYC ? What's the
> callsign and Freq. ?
>

New York packet network maps and info are at:
http://www.northeastflexnet.org/

Charles, N5PVL
webmaster@uspacket.net
http://www.uspacket.net

2733. Re: Packet ? NYC ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-13 13:41:59 UTC
From: Rickie <rickiev@hotmail.com>
Message-ID: <atcnuj$12ivgl$1@ID-89515.news.dfncis.de>
Source record: 4607

"charlesb" <n5pvl@sbcglobal.net> wrote in message
news:dalK9.907$Fd2.547599538@newssvr11.news.prodigy.com...
Awesome.. Thanks!!

Rickie

> "Rickie" <rickiev@hotmail.com> wrote in message
> > Hi Guys,
> > I'm heading out tonight and taking the Tech Exam. Wish me luck.. My
> > Question is.. Does anyone know any Packet system in NYC ? What's the
> > callsign and Freq. ?
> >
>
> New York packet network maps and info are at:
> http://www.northeastflexnet.org/
>
> Charles, N5PVL
> webmaster@uspacket.net
> http://www.uspacket.net

2734. Re: Packet ? NYC ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-13 13:57:35 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <jHIK9.64866$JE.16218@news1.central.cox.net>
Source record: 4608

144.390, TRACE4-4 :-)

"Rickie" <rickiev@hotmail.com> wrote
> Hi Guys,
> I'm heading out tonight and taking the Tech Exam. Wish me luck.. My
> Question is.. Does anyone know any Packet system in NYC ? What's the
> callsign and Freq. ?

2735. newbie question of fsk

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-13 18:47:08 UTC
From: warriorrajesh@hotmail.com
Message-ID: <e31b5198.0212131047.24bad6bb@posting.google.com>
Source record: 4609

I am planning to build a simple rc link for learning radio
electronics. Though i am new to radio electronics, i have quite some
experience in digital electronics. I intent to build a transmitter
receiver pair that works well for a distance of 20 mts. i want to
transmit digital pulses, not audio. I want a to make a simple system
such that at the transmitter side, if i flip a switch an led will turn
on/off correspondingly.
As far as i have learnt thru the internet and usenet groups fsk
modulation would be best. Please suggest if fsk is the thing for me or
not.
Also could anyone please give me a website where i can find as much
information that is needed for the project i mentioned above.
any help would be highly appreciated.

2736. PK-232 software for Linux?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-13 20:41:49 UTC
From: Bill <willbryant@msn.com>
Message-ID: <hCrK9.202644$Kj1.6307808@twister.austin.rr.com>
Source record: 4610

I need to locate some software for my PK-232 to run on Linux so I can work CW, RTTY, AMTOR, PACTOR, PACKET, etc. Can anyone give me a handle on this? Thanks in advance. Bill ...

2737. Palmtop/Small laptop for PSK31???????????

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-14 00:27:05 UTC
From: ebruchac@aol.comnojunk
Message-ID: <20021213192705.15377.00000028@mb-ci.aol.com>
Source record: 4611

Would like to run PSK/HELL portable,with my FT817----wonder if anyone has any experience and/or suggestions for either a Palm Top,or really small laptop.Ability to run off 12V ext.power would be a plus; soundcard,or at least a PCM slot for a soundcard would be a necessity.

Currently running digital modes with a Dell 333 mhz notebook, but don't want to carry it hiking because of weight,ect.
73,
Ed N4ZUM

Remove the,"nojunk" to email.

"A Picture is Worth a Thousand Words...but uses a thousand times more memory."

2738. List of Mac Ham Radio Software

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-14 08:34:08 UTC
From: JS <wd1v@amsat.org>
Message-ID: <wd1v-A65E22.03340714122002@netnews.attbi.com>
Source record: 4612

http://www.qsl.net/wd1v/Page7.html

Macnet is the WWW group of Ham Radio Operators that use Mac computers
to extend their communications capabilities.

To join Macnet, send STATS to mailto:wd1v@amsat.org

o Amateur Radio CALL SIGN
o FULL NAME
o Street ADDRESS
o CITY, STATE, ZIP
o EMAIL ADDRESS

* Macnet 2002 Member Listing -
ftp://ftp.qsl.net/pub/wd1v/Macnet2002.html

* Macnet 2002 Software Listing -
http://www.qsl.net/wd1v/Page7.html

* Macnet 2002 Software Collection
ftp://ftp.qsl.net/pub/wd1v/1Logs.sea.hqx
ftp://ftp.qsl.net/pub/wd1v/2DX+Contest.sea.hqx
ftp://ftp.qsl.net/pub/wd1v/3RemoteCtrl.sea.hqx
ftp://ftp.qsl.net/pub/wd1v/4FAX+FM.sea.hqx
ftp://ftp.qsl.net/pub/wd1v/5Packet.sea.hqx
ftp://ftp.qsl.net/pub/wd1v/6TCPIP.sea.hqx
ftp://ftp.qsl.net/pub/wd1v/7Morse+TestHelpers.sea.hqx
ftp://ftp.qsl.net/pub/wd1v/8SatsGPS.sea.hqx
ftp://ftp.qsl.net/pub/wd1v/9MacPgming.sea.hqx

John Seney, WD1V
144 Pepperidge Dr.
Manchester, NH 03103 USA

72/73
John Seney, WD1V [FN42]
QRP ARCI 10345 K2 #1388
FIST #5014 CC: 1151
http://www.qsl.net/wd1v
<'
O
-- \[/==\/0)
(_) (_)
http://www.qsl.net/wd1v/rbike.html

2739. Re: List of Mac Ham Radio Software

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-15 04:07:24 UTC
From: James Nipper <jnipper@nospam.fdn.com>
Message-ID: <7cTK9.53314$842.19039@news1.fdn.com>
Source record: 4613

Wow, do some folks suffer from severe paranoria !!!!!!!

I WANT TO JOIN A LIST, BUT PLEASE,

dont list my name!!

dont list my callsign!!

dont list my email address!!

dont list my real address!!

ALL OF THE ABOVE IS PRIVATE INFORMATION !! I DON'T WANT ANYONE TO KNOW
THIS PRIVATE STUFF ABOUT ME !! THE LAW MAY FIND OUT ABOUT ME !!

HEE HEE HEE HEE HEEEEEEEEEEEEEEEEEEEE!!!!!!!!!!!!!!!!!!

On Sat, 14 Dec 2002 08:34:08 GMT, JS <wd1v@amsat.org> wrote:

>To join Macnet, send STATS to mailto:wd1v@amsat.org
>
> o Amateur Radio CALL SIGN
> o FULL NAME
> o Street ADDRESS
> o CITY, STATE, ZIP
> o EMAIL ADDRESS

Why the hell do you need that kind of information and who would be stupid
enough to let you publish their private information on the internet?

2740. Re: List of Mac Ham Radio Software

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-15 14:19:29 UTC
From: Jeff Davis <ke9v@comcast.net>
Message-ID: <slrnavp3rv.sm.ke9v@localhost.localdomain>
Source record: 4614

In article <7cTK9.53314$842.19039@news1.fdn.com>, James Nipper wrote:
> Wow, do some folks suffer from severe paranoria !!!!!!!

Especially amateur radio operators ... guess they have never heard about
QRZ.COM or any of a dozen other online callbooks that not only list
their name and address, but with a click, you can get a detailed roadmap
of how to drive to their house...

Let the paranoid beware and NOT get into something as public as amateur radio.

--
Jeff Davis <ke9v@comcast.net>

2741. Kamtronics KAMPlus need manual

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-15 17:36:39 UTC
From: Luka <9a7z@qsl.net>
Message-ID: <atielg$6975$1@as201.hinet.hr>
Source record: 4615

DR OMs,
I have Kamtronics KAMPlus modem but havent any documentation and SW. Please send me information how to find it.
TU ES GL
Luka 9A7Z

2742. Tiny2 transmit problem

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-16 12:26:00 UTC
From: tsmithers@cix.co.uk
Message-ID: <memo.20021216122656.33261C@tsmithers.compulink.co.uk>
Source record: 4616

I've just connected up a Mk1 Tiny 2 (with DSP State Machine board)that
was last used about 10yrs ago. It appears to be working and receives
very well but seems to be having problems on transmit - cannot connect
to anything.

I've briefly monitored the transmission on another rx but all I hear
is what appears to be a single tone but no typical packet sound -
anyone have any idea what the problem might be.

The rig is a Kenwood TH-F7E
WinPack (demo) V6.80

Any advice/suggestions appreciated.

Trevor S

2743. Re: PK-232 software for Linux?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-17 04:56:32 UTC
From: Bill <willbryant@msn.com>
Message-ID: <48yL9.133$Nz5.61697@twister.austin.rr.com>
Source record: 4617

My hard drive got wiped out and I lost all the data of those who posted to this group. Could everyone do me a favor and repost them? Thanks Bill

"Bill" <willbryant@msn.com> wrote in message news:hCrK9.202644$Kj1.6307808@twister.austin.rr.com...
> I need to locate some software for my PK-232 to run on Linux so I can work
> CW, RTTY, AMTOR, PACTOR, PACKET, etc. Can anyone give me a handle on this?
> Thanks in advance. Bill ...
>
>

2744. Re: PK-232 software for Linux?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-17 11:27:08 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <gSDL9.85845$JE.23353@news1.central.cox.net>
Source record: 4618

Go to google.

"Bill" <willbryant@msn.com> wrote
> My hard drive got wiped out and I lost all the data of those who posted to
> this group. Could everyone do me a favor and repost them? Thanks Bill
>
> "Bill" <willbryant@msn.com> wrote
> > I need to locate some software for my PK-232 to run on Linux so I can work
> > CW, RTTY, AMTOR, PACTOR, PACKET, etc. Can anyone give me a handle on this?
> > Thanks in advance. Bill ...

2745. 72 miles with 802.11b hardware

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-18 17:06:43 UTC
From: Dana Myers K6JQ <k6jq@arrl.net>
Message-ID: <3e00a81e_3@news.teranews.com>
Source record: 4619

I don't know if this has been posted before, but it's quite
interesting. Plainly visible in one photo is the +27dBm
YDI amplifier and these are the same gridded dish antennas
I described in "how to do long haul on 802.11b" a while
ago. I wasn't making it up, and it's 100% radio.

http://hpwren.ucsd.edu/news/021101.html

Dana K6JQ
dana@dioxine.net

2746. Re: 72 miles with 802.11b hardware

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-18 21:09:36 UTC
From: News Account <none@none.org>
Message-ID: <ku5M9.1424$mx.792169@news.alltel.net>
Source record: 4620

The FCC made them reduce their power...

Original story (45M bits/sec) ...
http://www.computerworld.com/mobiletopics/mobile/story/0,10801,75830,00.html

After FCC action - power reduction (300k bit/sec)
http://www.computerworld.com/mobiletopics/mobile/story/0,10801,76118,00.html

73's

Don Woodward

"Dana Myers K6JQ" <k6jq@arrl.net> wrote in message
news:3e00a81e_3@news.teranews.com...
>
> I don't know if this has been posted before, but it's quite
> interesting. Plainly visible in one photo is the +27dBm
> YDI amplifier and these are the same gridded dish antennas
> I described in "how to do long haul on 802.11b" a while
> ago. I wasn't making it up, and it's 100% radio.
>
> http://hpwren.ucsd.edu/news/021101.html
>
> Dana K6JQ
> dana@dioxine.net
>

2747. Re: 72 miles with 802.11b hardware

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-18 23:11:56 UTC
From: Dana Myers K6JQ <k6jq@arrl.net>
Message-ID: <3e00fdb7_1@news.teranews.com>
Source record: 4621

News Account wrote:
> The FCC made them reduce their power...
>
> Original story (45M bits/sec) ...
> http://www.computerworld.com/mobiletopics/mobile/story/0,10801,75830,00.html

Careful with the facts; the original story indicated they're running
+30dBm (1W) using 11Mbit/sec 802.11b, and getting 1Mbit/sec throughput,
and there was no FCC action.

> After FCC action - power reduction (300k bit/sec)
> http://www.computerworld.com/mobiletopics/mobile/story/0,10801,76118,00.html

There was no FCC action that I'm aware of; the agency reduced the power
voluntarily when it was pointed out to them that they were in excess
of the Part 15 limits. If those are the +24dBi gridded dish antennas
I'm familiar with (and they sure look like it), then they'd be legal
right around +27dBm (500mW) of transmit power in a point-to-point
configuration allowing for +1dB of connector/feedline loss.

Contrary to a statement made about running larger antennas instead
of more power, there are certainly limits on antenna gain at
2.4GHz. At 5.8GHz, however, there is no limit - but the link is
running at 2.4GHz as far as I can tell.

They must be running right at the hairy edge of connectivity to
300Kbit/sec since 802.11b doesn't fall-back below 1Mbit/sec.

Dana K6JQ
k6jq@arrl.net

2748. Re: 72 miles with 802.11b hardware

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-19 02:35:04 UTC
From: News Account <none@none.org>
Message-ID: <sfaM9.13$T5.24067@news.alltel.net>
Source record: 4622

There was FCC action - ask Riley Hollingsworth. As you may know the first
action is usually just a letter - I'm sure that's all it took in this case.

You're right about the original being 11M bits/sec, I looked at the wrong
figure further down in the story. Nerveless, it still was a pretty
significant reduction in data rates.

73's

Don Woodward
KD4APP
AMSAT 33535
http://kd4app.webhop.org

"Dana Myers K6JQ" <k6jq@arrl.net> wrote in message
news:3e00fdb7_1@news.teranews.com...
> News Account wrote:
> > The FCC made them reduce their power...
> >
> > Original story (45M bits/sec) ...
> >
http://www.computerworld.com/mobiletopics/mobile/story/0,10801,75830,00.html
>
> Careful with the facts; the original story indicated they're running
> +30dBm (1W) using 11Mbit/sec 802.11b, and getting 1Mbit/sec throughput,
> and there was no FCC action.
>
> > After FCC action - power reduction (300k bit/sec)
> >
http://www.computerworld.com/mobiletopics/mobile/story/0,10801,76118,00.html
>
> There was no FCC action that I'm aware of; the agency reduced the power
> voluntarily when it was pointed out to them that they were in excess
> of the Part 15 limits. If those are the +24dBi gridded dish antennas
> I'm familiar with (and they sure look like it), then they'd be legal
> right around +27dBm (500mW) of transmit power in a point-to-point
> configuration allowing for +1dB of connector/feedline loss.
>
> Contrary to a statement made about running larger antennas instead
> of more power, there are certainly limits on antenna gain at
> 2.4GHz. At 5.8GHz, however, there is no limit - but the link is
> running at 2.4GHz as far as I can tell.
>
> They must be running right at the hairy edge of connectivity to
> 300Kbit/sec since 802.11b doesn't fall-back below 1Mbit/sec.

>
> Dana K6JQ
> k6jq@arrl.net
>

2749. Re: 72 miles with 802.11b hardware

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-19 02:37:37 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0212190237480.180-100000@exp.bde-arc.ampr.org>
Source record: 4623

On Wed, 18 Dec 2002, Dana Myers K6JQ wrote:
>I don't know if this has been posted before, but it's quite
>interesting. Plainly visible in one photo is the +27dBm
>YDI amplifier and these are the same gridded dish antennas
>I described in "how to do long haul on 802.11b" a while
>ago. I wasn't making it up, and it's 100% radio.
>
>http://hpwren.ucsd.edu/news/021101.html

It has been posted before, but on "alt.internet.wireless", not here.

2750. Re: 72 miles with 802.11b hardware

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-19 02:43:46 UTC
From: "D. Stussy" <kd6lvw@bde-arc.ampr.org>
Message-ID: <Pine.LNX.4.44.0212190239530.180-100000@exp.bde-arc.ampr.org>
Source record: 4624

On Wed, 18 Dec 2002, Dana Myers K6JQ wrote:
>News Account wrote:
>> The FCC made them reduce their power...
>>
>> Original story (45M bits/sec) ...
>> http://www.computerworld.com/mobiletopics/mobile/story/0,10801,75830,00.html
>
>Careful with the facts; the original story indicated they're running
>+30dBm (1W) using 11Mbit/sec 802.11b, and getting 1Mbit/sec throughput,
>and there was no FCC action.
>
>> After FCC action - power reduction (300k bit/sec)
>> http://www.computerworld.com/mobiletopics/mobile/story/0,10801,76118,00.html
>
>There was no FCC action that I'm aware of; the agency reduced the power
>voluntarily when it was pointed out to them that they were in excess
>of the Part 15 limits. If those are the +24dBi gridded dish antennas
>I'm familiar with (and they sure look like it), then they'd be legal
>right around +27dBm (500mW) of transmit power in a point-to-point
>configuration allowing for +1dB of connector/feedline loss.

I disagree. I get 250mW after applying the reduction equation in 47 CFR 15.247.
(24 - 6) / 3 = -6dB, which from 1W means 250mW.

>Contrary to a statement made about running larger antennas instead
>of more power, there are certainly limits on antenna gain at
>2.4GHz. At 5.8GHz, however, there is no limit - but the link is
>running at 2.4GHz as far as I can tell.

What limit? If I wanted to hook up a 30' wide dish optimized for 2.4, I could
do it (as far as the rules are concerned and with the correct power reduction).
:-)

>They must be running right at the hairy edge of connectivity to
>300Kbit/sec since 802.11b doesn't fall-back below 1Mbit/sec.

2751. Re: 72 miles with 802.11b hardware

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-19 03:20:31 UTC
From: Dana Myers K6JQ <k6jq@arrl.net>
Message-ID: <3E013AFF.800@arrl.net>
Source record: 4625

D. Stussy wrote:
> On Wed, 18 Dec 2002, Dana Myers K6JQ wrote:

>>There was no FCC action that I'm aware of; the agency reduced the power
>>voluntarily when it was pointed out to them that they were in excess
>>of the Part 15 limits. If those are the +24dBi gridded dish antennas
>>I'm familiar with (and they sure look like it), then they'd be legal
>>right around +27dBm (500mW) of transmit power in a point-to-point
>>configuration allowing for +1dB of connector/feedline loss.
>
>
> I disagree. I get 250mW after applying the reduction equation in 47 CFR 15.247.
> (24 - 6) / 3 = -6dB, which from 1W means 250mW.

Serves me right for rattling numbers off the top of my head.
I was actually thinking of a 21dBi gridded dish (see
http://www.netnimble.net/21dbigridan.html)from a link
I'd worked on and had more recently been looking at a 24dBi
dish. The actual budget I'd calculated worked out included a
21dBi antenna and 2dB of feedline and connector loss and comes
to pretty much exactly +27dBm. I believe the ultimate
answer is EIRP is +48dBm regardless of transmitter power and
antenna gain.

Sorry about that.

Dana K6JQ
k6jq@arrl.net

2752. 72 miles of "bob wire".

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-20 02:06:38 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <OWuM9.733$a41.300820543@newssvr12.news.prodigy.com>
Source record: 4626

A ribbon cable for a necktie....

Sorry, but I can't get too excited about the wireless networking stuff.

Charles, N5PVL

2753. Re: 72 miles of "bob wire".

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-20 03:15:03 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <XWvM9.113645$JE.111989@news1.central.cox.net>
Source record: 4627

Not many do anymore, and it is pretty much dead within the hobby.

"charlesb" <n5pvl@sbcglobal.net> wrote
>
> Sorry, but I can't get too excited about the wireless networking stuff.

2754. Need Flex32 help

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-20 05:35:43 UTC
From: cprstn54zz@att.net
Message-ID: <3e02a9f0.29810328@news-server.optonline.net>
Source record: 4628

I am trying Flexnet for the first time. I have installed Flex32 on my WinXP PC. I am using a 6PACK TNC-2. I have never used the DOS version.

I tune my radio to a nearby Flexnet "Destination."

I run Flexntl. Apparently, the program sees a valid TNC on COM2. When I select Trace, I can see some RX from the node.

What do I do next to access the BBS, do a CQ, etc? I tried Flextalk, but couldn't get it to key my radio or connect to anything.

Is there a tutorial for Flex32 or some screen shots? A help file? Anything at all?

Ken KC2JDY

Ken
(to reply via email
remove "zz" from address)

2755. Re: Need Flex32 help

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-20 10:14:41 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <l4CM9.926$Ex2.372099116@newssvr12.news.prodigy.com>
Source record: 4629

At http://www.northeastflexnet.org/ you can find the docs to Flex32 translated in English.

The Flextalk application bundled with Flex32 assumes that you have 9.6kb access and 72kb backbone links, which we don't see much of, here in the U.S.. It is designed for sending sound files back and forth, a "digital voice over packet" setup that our packet nets in the U.S. are not up to, yet.

Apparently they have a lot of fun with packet in Europe!

The best terminal program for Flex32 is Paxon, which you can download at:

http://www.paxon.de/download.php

It is a really nice packet terminal, with lots of great features. I've tried out another Flex32-ready term program called "NBF", but found that I liked Paxon better. If you don't like Paxon (though I don't see how you could help it) try a web search on " NBF Packet Radio" and it will come up.

I use Flex32 with a 6-pack TNC and Paxon. When you run Paxon, Flex32 automagically comes up to drive it, so you are only one mouse click away from packet at any given time. Not bad!

Paxon has a lot of sound options.. You can assign a unique sound (wav files) to just about anything that happens, including connects from specific callsigns. As an example: A buddy connects to my packet station in the mornings, to see if I'm ready to go out for a "cuppa cawfee". I assigned a distinctive "foghorn" sound to incoming connections from his callsign. - So if I sleep late, it's "BOOO-WAAAH!" and I come rolling out of the sack to answer his connect. (Everybody else has a discrete, unobtrusive little beep.)

Good luck with Flex32, and don't forget to let us know how it works out!

Charles, N5PVL
webmaster@uspacket.net
http://www.uspacket.net

"Ken" <cprstn54zz@att.net> wrote in message
news:3e02a9f0.29810328@news-server.optonline.net...
> I am trying Flexnet for the first time. I have installed Flex32 on my
> WinXP PC. I am using a 6PACK TNC-2. I have never used the DOS
> version.
>
> I tune my radio to a nearby Flexnet "Destination."
>

> I run Flexntl. Apparently, the program sees a valid TNC on COM2.
> When I select Trace, I can see some RX from the node.
>
> What do I do next to access the BBS, do a CQ, etc? I tried Flextalk,
> but couldn't get it to key my radio or connect to anything.
>
> Is there a tutorial for Flex32 or some screen shots? A help file?
> Anything at all?
>
> Ken KC2JDY
>
>
>
> Ken
> (to reply via email
> remove "zz" from address)

2756. Re: 72 miles of "bob wire".

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-20 10:14:41 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <l4CM9.927$cA2.372263993@newssvr12.news.prodigy.com>
Source record: 4630

I'm glad to hear that, Steve. Now we quit wasting time on 802.11b and get back to discussing real amateur packet radio networking, something that a much larger number of hams have interest in.

Charles, N5PVL

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message news:XWvM9.113645$JE.111989@news1.central.cox.net...
> Not many do anymore, and it is pretty much dead within the hobby.
>
> "charlesb" <n5pvl@sbcglobal.net> wrote
> >
> > Sorry, but I can't get too excited about the wireless networking stuff.
>
>

2757. Re: Need Flex32 help

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-20 10:32:56 UTC
From: Jan Schnackenberg <YeHaa@gmx.de>
Message-ID: <3e02f1ee$1@olaf.komtel.net>
Source record: 4631

Hi

charlesb wrote:
> Apparently they have a lot of fun with packet in Europe!

We do, at least in southern Germany and a few of the countries a little further to the east. They have links, with more than 1MBit/s in some locations there. ;>

> The best terminal program for Flex32 is Paxon, which you can download at:

Nice to see, how far Ulf's and Gerald's program is known by now. :)
> [...] When you run Paxon, Flex32
> automagically comes up to drive it, so you are only one mouse click away
> from packet at any given time. Not bad!

I'll assume that you switched to englisch user-interface by "Extras -> Sprache", double-clicking on "English" and restarting Paxon.

For this to work Paxon needs to find a running Flexnet-installation when it's first configured to use Flexnet. To do this do:

- Start Flexnet
- Start Paxon
- click on Settings
- go to the tab "Devices"
- click Add
- doubleclick PC/Flexnet
- Click Ok

If Flexnet was running Paxon should now be able use it. If you start Paxon from now on, it will test for a running PC/Flexnet and (if it wasn't running yet) start it.

Ciao and have fun with Paxon. :)

73 de Jan (DH0LAE)

2758. Re: 72 miles of "bob wire".

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-20 12:12:42 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <_ODM9.120878$JE.7405@news1.central.cox.net>
Source record: 4632

802.11b? Now that's another subject, and very popular.
Check out the Sharp Zaurus (I have the 5500) and then do
a google search on that. We are talking Linux and WiFi in
your hand. I just flashed the new openzaurus ROM and it
is about as much fun as I can stand... I used it to sniff out a
network in Dallas on a recent IBM class I had to take, and
then hooked-up to the Internet for free from my Hotel.

2759. Re: Need Flex32 help

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-20 13:12:59 UTC
From: cprstn54zz@att.net
Message-ID: <3e031396.56855812@news-server.optonline.net>
Source record: 4633

On Fri, 20 Dec 2002 10:14:41 GMT, "charlesb" <n5pvl@sbcglobal.net>
wrote:
>At http://www.northeastflexnet.org/ you can find the docs to Flex32
>translated in English.

>The best terminal program for Flex32 is Paxon, which you can download at:

Thanks, Charles.

No wonder I couldn't communicate; I didn't have a terminal program
installed.

I didn't see any mention of Paxon at northeastflexnet.org. Maybe it's
in there somewhere, but I couldn't find it. I have not found that
site particularly helpful and I am pretty good at RTFM.

OK. Some progress made with Paxon. At least my radio keys on
transmit. However, I am unable to link to a nearby local node ("Link
Failure"). Inasmuch as I am not hearing *anything* on this frequency,
it is possible that the node is down.

Paxon help is in German, so it doen't help me. My local Flexnet guru
is DOS-only guy. No one else in my club knows anything about Flexnet.

I see on the node list that the nearby node has a "-4" SSID. Do I
need to tell Paxon that, and how do I tell it that?

Ken KC2JDY

Ken
(to reply via email
remove "zz" from address)

2760. Re: Need Flex32 help

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-20 13:26:34 UTC
From: Jan Schnackenberg <YeHaa@gmx.de>
Message-ID: <3e031aa7@olaf.komtel.net>
Source record: 4634

Hi

Ken wrote:
> I didn't see any mention of Paxon at northeastflexnet.org. Maybe it's
> in there somewhere, but I couldn't find it. I have not found that
> site particularly helpful and I am pretty good at RTFM.

Well, Flexnet itself is only a node for device-drivers. It also contains
a very simple digipeating-node, but that thing is _reall_ simple.

> OK. Some progress made with Paxon. At least my radio keys on
> transmit.

Good. That tells us, that you have PC/Flexnet and Paxon basically
configured right.

> However, I am unable to link to a nearby local node ("Link
> Failure"). Inasmuch as I am not hearing *anything* on this frequency,
> it is possible that the node is down.

Might be.

> Paxon help is in German, so it doen't help me. My local Flexnet guru
> is DOS-only guy. No one else in my club knows anything about Flexnet.

Well, Paxon is a german software, after all. :) And I guess nobody has
volunteerd yet, to translate it.

> I see on the node list that the nearby node has a "-4" SSID. Do I
> need to tell Paxon that, and how do I tell it that?

In the connect-window (you get that by typing <ALT>-C or "<ESC> and then
"C" or <ENTER>) you type the destination-Call into the upper box, your
callsign into the lower box and you select the device to use in the
listbox to the right. If in that listbox you only have the
"LOOP"-device, you don't have Flexnet configured right. (But as your TRX
starts to transmit sometimes, you seem to be ok there)

If the digipeater has the SSID "-4" you need to add that to it's
callsign in the upper box. Here (for my digi) that would look like
"DB0HHN-4".

By the way: In the Paxon-settings you need to check _every_ SSID that
you might want to use for connecting out. Because Paxon (by itself) only
uses those SSIDs you select there.

Ciao, Jan

2761. Re: 72 miles of "bob wire".

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-20 14:12:54 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <GzFM9.682$Og1.423793869@newssvr11.news.prodigy.com>
Source record: 4635

Now you've got me laughing again! - But no coffee this time. Most of the keys on my keyboard, by the way, have quit sticking now.

I thought you'd want to know.

Charles, N5PVL

"Steve, K5OKC" <k5okc@nojunk.cox.net> wrote in message news:_ODM9.120878$JE.7405@news1.central.cox.net...
> 802.11b? Now that's another subject, and very popular.
> Check out the Sharp Zaurus (I have the 5500) and then do
> a google search on that. We are talking Linux and WiFi in
> your hand. I just flashed the new openzaurus ROM and it
> is about as much fun as I can stand... I used it to sniff out a
> network in Dallas on a recent IBM class I had to take, and
> then hooked-up to the Internet for free from my Hotel.
>
>

2762. Re: Need Flex32 help

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-20 16:41:38 UTC
From: cprstn54zz@att.net
Message-ID: <3e0345b0.69682015@news-server.optonline.net>
Source record: 4636

On Fri, 20 Dec 2002 14:26:34 +0100, Jan Schnackenberg <YeHaa@gmx.de>
wrote:
>>> OK. Some progress made with Paxon. At least my radio keys on
>> transmit.
>
>Good. That tells us, that you have PC/Flexnet and Paxon basically
>configured right.

Thanks again for your help. I am still not able to connect to the
local node, but have requested the station operator to help me debug.

I suspect that there may be something wrong with my TNC. It is an
MFJ-1702C with a 6PACK EPROM. I installed it and made the
MFJ-documented mods required for TheNet. The STA/Mail LED would not
go out. My club's Flexnet expert removed Jumper 21 and that solved
that problem.

When I try to connect (listening on a scanner), sometimes I get a
series of long tones with some modulation (I would guess 300 Hz).
Sometimes I only get a series of 1/2 second staticky bursts.

What should the handshaking sound like upon connnect? Is there a WAV
file anywhere?

Ken KC2JDY

Ken
(to reply via email
remove "zz" from address)

2763. Re: Need Flex32 help

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-20 17:33:25 UTC
From: cprstn54zz@att.net
Message-ID: <3e0351d4.72789984@news-server.optonline.net>
Source record: 4637

On Fri, 20 Dec 2002 16:41:38 GMT, cprstn54zz@att.net (Ken) wrote:
>When I try to connect (listening on a scanner), sometimes I get a
>series of long tones with some modulation (I would guess 300 Hz).
>Sometimes I only get a series of 1/2 second staticky bursts.

I should add that this is at 1200 baud. I found a sound file for 300
baud packet.

The short bursts are almost certainly wrong. Once the rig starts
doing this, nothing gets it back to TX a modulated tone except
changing the delay or duplex parameter in Flexctl. No particular
value works -- just changing whatever it is causes an exchange
between the PC and TNC that seems to get things back on track.

I also suspect the TNC-radio (VX-150) cable. The specs given by
Yaesu/Vertex in the manual didn't work at all (wouldn't key the radio)
and I am now using revised specs guesstimated by Yaesu techs. Yaesu
HT's have a combined Mic/PTT lead that is split in my cable with a 1K
resistor (PTT) and a 1 mF cap (Mic). The original specs were 2K and
10mF.

Because of the dearth of quality documentation in English and the
possibility of problems in so many components, this is extremely
difficult and frustrating.

Ken KC2JDY
Ken
(to reply via email
remove "zz" from address)

2764. Re: Tiny2 transmit problem

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-20 19:39:43 UTC
From: "Dorian Creber(MW1AAH)" <dorian@no-spam-spamcop.net>
Message-ID: <AoKM9.2664$e34.64891@newsfep1-gui.server.ntli.net>
Source record: 4639

It could be in diagnostic mode?
try the "calibra" command

Make sure it's off

"Trevor Smithers" <tsmithers@cix.co.uk> wrote in message
news:memo.20021216122656.33261C@tsmithers.compulink.co.uk...
> I've just connected up a Mk1 Tiny 2 (with DSP State Machine board)that
> was last used about 10yrs ago. It appears to be working and receives
> very well but seems to be having problems on transmit - cannot connect
> to anything.
>
> I've briefly monitored the transmission on another rx but all I hear
> is what appears to be a single tone but no typical packet sound -
> anyone have any idea what the problem might be.
>
> The rig is a Kenwood TH-F7E
> WinPack (demo) V6.80
>
> Any advice/suggestions appreciated.
>
> Trevor S

2765. AGW and Windows XP ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-20 19:59:07 UTC
From: "Dorian Creber(MW1AAH)" <dorian@no-spam-spamcop.net>
Message-ID: <sEKM9.2680$e34.67833@newsfep1-gui.server.ntli.net>
Source record: 4638

Hi there,

Anyone managed to get AGW working on Win xp with ui-view32 ??

Regards,

Doz
Mw1aah

2766. Re: AGW and Windows XP ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-20 20:23:50 UTC
From: Roger Barker <roger@peaksys.co.uk>
Message-ID: <laxRIQAWx3A+EwRw@peaksys.co.uk>
Source record: 4640

In article <sEKM9.2680$e34.67833@newsfep1-gui.server.ntli.net>, Dorian Creber(MW1AAH) <dorian@no-spam-spamcop.net> writes
>Hi there,
>
>Anyone managed to get AGW working on Win xp with ui-view32 ??

Running at this very moment on my PC, and on the PCs of an awful lot of other users... If your installation of AGWPE will work with any program, then it should work with UI-View32 without any problem.

So you really need to explain what specific problem you are having, what hardware you are trying to use - sound card, TNC, etc - and what version of AGWPE you are using.

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

2767. Re: Need Flex32 help

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-20 23:43:16 UTC
From: Jan Schnackenberg <YeHaa@gmx.de>
Message-ID: <3e03ab1b@olaf.komtel.net>
Source record: 4641

Hi

Ken wrote:
>>When I try to connect (listening on a scanner), sometimes I get a
>>series of long tones with some modulation (I would guess 300 Hz).
>>Sometimes I only get a series of 1/2 second staticky bursts.
>
>
> I should add that this is at 1200 baud. I found a sound file for 300
> baud packet.

Ok, 1k2-packet sounds something like a "screeking" sound. 9k6 is just "noise". So what you seem to have there _could_ be a 9k6 signal. I don't have _any_ experience with your kind of hardware though. Here in Germany we mostly use something we call a TNC2-compatible hardware.

When you open the PC/Flexnet Control Center, and there the "Tools -> Parameters" window. Then you should have the "6PACK" driver somewhere there. Is the setting for "Baudrate" (_not_ RS232 Baudrate, but I guess you would have figured that out correctly) correctly set to 1200? Also the "Full Duplex"-Option should be empty and the TxDelay set to something around 20 (I don't know the required setting for your TRX here)?

> The short bursts are almost certainly wrong. Once the rig starts
> doing this, nothing gets it back to TX a modulated tone except
> changing the delay or duplex parameter in Flexctl. No particular
> value works -- just changing whatever it is causes an exchange
> between the PC and TNC that seems to get things back on track.

I'd guess that, since 6PACK doesn't have any real "intelligence" in the TNC, that Flexnet makes a reset of the hardware when you change any parameters. That's why changing any of those settings seems to make something right. But I don't know what those "static"-bursts are. I still suspect an 9k6-signal (or maybe a 4k8-signal, but I'm not sure how that would sound) though.

> I also suspect the TNC-radio (VX-150) cable. The specs given by
> Yaesu/Vertex in the manual didn't work at all (wouldn't key the radio)
> and I am now using revised specs guesstimated by Yaesu techs. Yaesu
> HT's have a combined Mic/PTT lead that is split in my cable with a 1K
> resistor (PTT) and a 1 mF cap (Mic). The original specs were 2K and
> 10mF.

Hm, might be. I had to build such a cable for my FT-8500, but it has an extra pin for the PTT.

> Because of the dearth of quality documentation in English and the
> possibility of problems in so many components, this is extremely
> difficult and frustrating.

Hey, don't worry, the english documentation mostly is still better than
the german one. ;>

Ciao, Jan

2768. First-Time PSK31 Listener Has Question(s)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-21 00:19:06 UTC
From: Gary Brown <gbrown@nc.rr.com>
Message-ID: <_rOM9.49862$Fq3.2319519@twister.southeast.rr.com>
Source record: 4642

OK, Icom 746 hooked up to a RASCAL to a PC running Digipan.
COM port configured so it keys the rig, but I never get the bright
yellow-green stripe in the parallel lines.
Audio cables connected to sound card via accessory jack in the Icom.

Just need a few hints...I will do this primarily in evenings, so am checking
freqs from 18 MHZ and down.

What do I need to do to see something in the Spectrum Window?

many 73s,

Gary
K4GPB

2769. Re: First-Time PSK31 Listener Has Question(s)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-21 00:31:07 UTC
From: Gary Brown <gbrown@nc.rr.com>
Message-ID: <fDOM9.49879$Fq3.2321830@twister.southeast.rr.com>
Source record: 4643

Some follow-up information:

My freq being tuned does not show in the Spectrum Window!

"Gary Brown" <gbrown@nc.rr.com> wrote in message
news:_rOM9.49862$Fq3.2319519@twister.southeast.rr.com...
> OK, Icom 746 hooked up to a RASCAL to a PC running Digipan.
> COM port configured so it keys the rig, but I never get the bright
> yellow-green stripe in the parallel lines.
> Audio cables connected to sound card via accessory jack in the Icom.
>
> Just need a few hints...I will do this primarily in evenings, so am
checking
> freqs from 18 MHZ and down.
>
> What do I need to do to see something in the Spectrum Window?
>
> many 73s,
>
> Gary
> K4GPB
>
>
>

2770. Re: First-Time PSK31 Listener Has Question(s)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-21 01:56:49 UTC
From: Ralph Mowery <rmowery@ctc.net>
Message-ID: <drKcnafrmq1SRZ6jXTWcqA@ctc.net>
Source record: 4644

"Gary Brown" <gbrown@nc.rr.com> wrote in message
news:_rOM9.49862$Fq3.2319519@twister.southeast.rr.com...
> OK, Icom 746 hooked up to a RASCAL to a PC running Digipan.
> COM port configured so it keys the rig, but I never get the bright
> yellow-green stripe in the parallel lines.
> Audio cables connected to sound card via accessory jack in the Icom.
>
> Just need a few hints...I will do this primarily in evenings, so am
checking
> freqs from 18 MHZ and down.
>
> What do I need to do to see something in the Spectrum Window?

Try setting the rig to 14.0700 USB. If you see anything, click the mouse on
the waterfall display.

2771. Re: First-Time PSK31 Listener Has Question(s)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-21 03:05:04 UTC
From: Gary Brown <gbrown@nc.rr.com>
Message-ID: <ATQM9.49712$uJ5.4466854@twister.southeast.rr.com>
Source record: 4645

> Try setting the rig to 14.0700 USB. If you see anything, click the mouse
on
> the waterfall display.

Thanks for the reply!

Yep, doing that right now, and I have the diamond over one of the stripes
but all the characters on the display are gibberish.

Gary
K4GPB

2772. What is PSK31 like?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-21 07:49:53 UTC
From: BICisfag <ll@jj.com>
Message-ID: <3E041D20.656A6FF0@jj.com>
Source record: 4646

Can a modest station have a much greater chance at
DX than CW or SSB?

2773. Re: What is PSK31 like?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-21 10:50:25 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <RHXM9.135913$JE.4165@news1.central.cox.net>
Source record: 4647

Probably not, since most DX hounds only work CW and SSB.

"BICisfag" <ll@jj.com> wrote
> Can a modest station have a much greater chance at
> DX than CW or SSB?

2774. Re: What is PSK31 like?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-21 11:43:16 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <otYM9.1697$8d7.587675688@newssvr12.news.prodigy.com>
Source record: 4648

"BICisfag" <ll@jj.com> wrote in message news:3E041D20.656A6FF0@jj.com...
> Can a modest station have a much greater chance at
> DX than CW or SSB?
>

There is a possibility that you will pull up DX that the other modes can't with PSK31, as I have seen it copy and decode signals that I could not hear. With CW and SSB, if you can't hear them, you can't work them.

But that isn't what I would call a MUCH greater chance. It's better, but not radically so.

The traditional mode for digital DX is RTTY, perhaps because of old commercial and government surplus RTTY equipment that was once scattered around the world, in odd places. There are cstill a lot of hard-core RTTY DX'ers out there.

My favorite digital DX contact was done over ten years ago, in AMTOR mode with a station in Djerbouti, in east Africa. The guy was fun to QSO with, and the link held up for close to 45 minutes. I am a DX ragchewer, a sort of anti-DX'er who is not content to exchange callsigns and obligatory "5-9's"... I like to actually get to know those distant hams, so I suppose I would never make it as a contester. Too gabby and too slow!

My favorite PSK-31 contact was one of my first. When I first set up PSK31, I didn't have a decent HF antenna. I intended to just monitor, not transmit because all I had was 60 feet of "magnet wire", and that stuff that is about the diameter of thread. An SWL antenna. - But I decided to see if the thing would tune up with my rigs autotuner, and it did! Running low power, I QSO'd with a Japanese station, something I had never done before.

(Here's the good part) After the QSO, I went outside to admire the spidery antenna, and discovered that the rig's autotuner had melted the thin wire, and my QSO had been somehow done on about 6 feet of wire that still remained. The rest has fallen down on the ground, no longer connected to the rig.

It brought to mind a time when I had 100 watts and a tribander to work with on SSB, and never could get a contact with Japan.

The only really pioneering work I ever did with digital ham radio resulted from a mixup, close to 20 years ago. I made two mistakes... I had my PK-232 in AMTOR mode when I thought it was in PACKET mode, and my VHF radio was on the local voice repeater frequency, not the Packet freq. - So I ended up sending an AMTOR FEC "CQ" out over the local repeater - and by doing so, I was one of the very first hams to experiment with a forward error-correcting protocol over a digital repeater!

Yes, it was a proud moment when I realized what I had done, and I can assure you that my "accomplishment" was noted by the local hams! I think they've all forgotten about it now, but for a while there, I was quite famous. Everybody seemed to have a comment about it.

Charles, N5PVL

2775. Re: First-Time PSK31 Listener Has Question(s)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-21 13:03:57 UTC
From: Ivan Ivanovich <no.email@no.mail.org>
Message-ID: <au1orr$s2q$1@news.chatlink.com>
Source record: 4649

I don't use digipan but, the concept is to adjust the signal such that signal to noise and distortion are maintained as green stripes. You do this by maintaining enough volume to decode but not to over drive. My set up has the windos volume controls for the sound card at about 1/2 or maybe slight above. One other item is to make certain you always select LSB, if you select USB then signal will be inverted thus yielding nonsense characters.

PSK works on tuning into a specific tone "channel", e.g. 1011 Hz off center frequency which in most programs can be adjusted by grabbing the diamond and moving it to the line in the water fall. Believe it or not PSK is one heck of a lot easier to tune than PACTOR, Packet (HF) or AMATOR. One program I was recent shown and have tried is MixW this one seems to be very good and has several different modes included. The only problem is after several days of use the program reminds you to register with a screen that pops up every time you change mode. The web site is at http://www.mixw.net/ , there are a lot of programs and the best thing to do is try them out until you find one that suits your needs.

73,
I Ivanovich

"Gary Brown" <gbrown@nc.rr.com> wrote in message
news:ATQM9.49712$uJ5.4466854@twister.southeast.rr.com...
> > Try setting the rig to 14.0700 USB. If you see anything, click the
mouse
> on
> > the waterfall display.
>
> Thanks for the reply!
>
> Yep, doing that right now, and I have the diamond over one of the stripes
> but all the characters on the display are gibberish.
>
> Gary
> K4GPB
>
>

2776. Re: First-Time PSK31 Listener Has Question(s)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-21 13:19:40 UTC
From: Ralph Mowery <rmowery@ctc.net>
Message-ID: <D7acnSvzQNZG5ZmjXTWcpw@ctc.net>
Source record: 4502

"Ivan Ivanovich" <no.email@no.mail.org> wrote in message
news:au1orr$s2q$1@news.chatlink.com...
> I don't use digipan but, the concept is to adjust the signal such that
> signal to noise and distortion are maintained as green stripes. You do
this
> by maintaining enough volume to decode but not to over drive. My set up
has
> the windos volume controls for the sound card at about 1/2 or maybe slight
> above. One other item is to make certain you always select LSB, if you
> select USB then signal will be inverted thus yielding nonsense characters.
>
>
Psk is usually setup for USB, not LSB. I don't think it really makes any
difference which sideband is used, but the radio room is under construction
now and I can not verify this. For some of the other digital modes suchas
rtty then the sideband and normal or inverted modes do mater.

2777. Re: Need Flex32 help

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-21 13:20:42 UTC
From: cprstn54zz@att.net
Message-ID: <3e046a09.144522968@news-server.optonline.net>
Source record: 4650

On Sat, 21 Dec 2002 00:43:16 +0100, Jan Schnackenberg <YeHaa@gmx.de>
wrote:
> Also the "Full Duplex"-Option should be empty and the TxDelay set to
>something around 20 (I don't know the required setting for your TRX here)?

Ach du lieber!

Alles in ordnung!

The TxDelay=20 seems to have fixed it all. I was guessing 1-3.

And I all of a sudden started speaking German.

Thanks again,
Ken KC2JDY

Ken
(to reply via email
remove "zz" from address)

2778. Re: Need Flex32 help

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-21 13:54:25 UTC
From: Jan Schnackenberg <YeHaa@gmx.de>
Message-ID: <3e04729f$1@olaf.komtel.net>
Source record: 4501

Hi

Ken wrote:
> The TxDelay=20 seems to have fixed it all. I was guessing 1-3.

Ah, ok, normal PLL-Transceivers need about 200ms to switch. Some only
150ms, some even 250ms. In Germany we usually use a TNC-software calles
simply "The Firmware" which has a parameter for TxDelay, which is set in
steps of 10ms. Most other softwares emulate this behaviour. So setting
the TxDelay to 20 sets the actual time-delay to 200ms.

You might want to try to reduce that setting to the lowest value that
still works.

> And I all of a sudden started speaking German.

I noticed. :)

73 and much fun with PC/Flexnet + Paxon.

Jan (DH0LAE)

2779. Re: First-Time PSK31 Listener Has Question(s)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-21 14:36:57 UTC
From: Gary Brown <gbrown@nc.rr.com>
Message-ID: <d0%M9.51754$uJ5.4604086@twister.southeast.rr.com>
Source record: 4503

Thanks for all the tips! I tried WinPSKse and it works fine! Must be a
Digipan setting somewhere that gave me the hassle.
20M is in much better shape than 12 hours ago, too.

Here a handy link to spot band openings:

http://hamcall.net/dxspots

Thanks to all,
Gary
K4GPB

2780. Re: AGW and Windows XP ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-21 14:41:40 UTC
From: "Dorian Creber(MW1AAH)" <dorian@no-spam-spamcop.net>
Message-ID: <B4%M9.838$fu6.43694@newsfep1-gui.server.ntli.net>
Source record: 4504

I'm trying to use the latest version off the website.
With ui-view 32 but I get an illegal operation when I try to send a Query or
ping etc via ui-view...

Any ideas?

"Roger Barker" <roger@peaksys.co.uk> wrote in message
news:IaxRIQAWx3A+EwRw@peaksys.co.uk...
> In article <sEKM9.2680$e34.67833@newsfep1-gui.server.ntli.net>, Dorian
> Creber(MW1AAH) <dorian@no-spam-spamcop.net> writes
> >Hi there,
> >
> >Anyone managed to get AGW working on Win xp with ui-view32 ??
>
> Running at this very moment on my PC, and on the PCs of an awful lot of
> other users... If your installation of AGWPE will work with any program,
> then it should work with UI-View32 without any problem.
>
> So you really need to explain what specific problem you are having, what
> hardware you are trying to use - sound card, TNC, etc - and what version
> of AGWPE you are using.
>
> --
> Roger Barker, G4IDE - roger@peaksys.co.uk
> For UI-View go to - http://www.UI-View.com
> For WinPack go to - http://www.peaksys.co.uk

2781. Re: AGW and Windows XP ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-21 15:36:07 UTC
From: Roger Barker <roger@peaksys.co.uk>
Message-ID: <T1MnTfAnpIB+Ewpm@peaksys.co.uk>
Source record: 4505

In article <B4%M9.838$fu6.43694@newsfep1-gui.server.ntli.net>, Dorian
Creber(MW1AAH) <dorian@no-spam-spamcop.net> writes
>I'm trying to use the latest version off the website.
>With ui-view 32 but I get an illegal operation when I try to send a Query or
>ping etc via ui-view...

That doesn't answer my question about hardware -

>"Roger Barker" <roger@peaksys.co.uk> wrote in message
>> So you really need to explain what specific problem you are having, what
>> hardware you are trying to use - sound card, TNC, etc - and what version
>> of AGWPE you are using.

But I'll guess you are trying to use a sound card modem

Here's some general advice - Put UI-View away, get yourself a copy of
AGWTerm, and get your AGWPE working *properly* with it. That way all
your software comes from the same author, and you won't be confused
about which program is causing your problem.

When your AGWPE will work with AGWTerm, so you can make connections, and
send and receive frames without it crashing, then get UI-View out again,
and you should find that it works fine.

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

2782. Re: AGW and Windows XP ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-21 15:45:12 UTC
From: Roger Barker <roger@peaksys.co.uk>
Message-ID: <NFngvJAIyIB+EwIs@peaksys.co.uk>
Source record: 4506

In article <T1MnTfAnpIB+Ewpm@peaksys.co.uk>, Roger Barker
<roger@peaksys.co.uk> writes
[snip]
>
>Here's some general advice - Put UI-View away, get yourself a copy of
>AGWTerm, and get your AGWPE working *properly* with it. That way all
>your software comes from the same author, and you won't be confused
>about which program is causing your problem.
>
>When your AGWPE will work with AGWTerm, so you can make connections, and
>send and receive frames without it crashing, then get UI-View out again,
>and you should find that it works fine.

I forgot this bit - for an excellent guide to AGWPE with a sound card,
go to KC2RLM's web site - http://www.qsl.net/soundcardpacket/

(But at the moment I think www.qsl.net is down...)

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

2783. Re: What is PSK31 like?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-21 16:18:33 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <tv0N9.136980$JE.60504@news1.central.cox.net>
Source record: 4507

"charlesb" <n5pvl@sbcglobal.net> wrote
>
> The only really pioneering work I ever did with digital ham radio resulted
> from a mixup, close to 20 years ago. I made two mistakes... I had my PK-232
> in AMTOR mode when I thought it was in PACKET mode, and my VHF radio was on
> the local voice repeater frequency, not the Packet freq. - So I ended up
> sending an AMTOR FEC "CQ" out over the local repeater - and by doing so, I
> was one of the very first hams to experiment with a forward error-correcting
> protocol over a digital repeater!
>

Myself and another Ham (SK) tried connecting through a repeater using packet
on purpose back in the 80's. It didn't work of course, because the repeater
audio is not only delayed, but highly filtered. Sounded good, but no decode.
You would have thought a nuclear bomb went off, because suddenly everyone
in Oklahoma City was trying to find out who it was. I think we boosted activity
on the repeater for a week, while everyone had a roundtable on proper repeater
operations. I won't say which repeater it was, but none of them have ever owned
a piece of ham gear that wasn't clipped to their belt, and nerd would be an
understatement :-)

2784. Re: What is PSK31 like?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-21 16:34:31 UTC
From: Captain Liberty <Barrister54@socal.rr.com>
Message-ID: <rK0N9.167713$%k2.43245750@twister.socal.rr.com>
Source record: 4508

"BICisfag" <ll@jj.com> wrote in message news:3E041D20.656A6FF0@jj.com...
> Can a modest station have a much greater chance at
> DX than CW or SSB?

Without making comparisons, it is very very easy to work DX using PSK31. If you can hear them you can work them, and frequently you will. One thing that makes it easier is that unlike SSB and CW, most of the PSK31 stations seem to be relatively modest. The big guns are all up on CW or SSB. My $.02

de Roger, W6VZV

2785. Re: AGW and Windows XP ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-21 16:48:33 UTC
From: "Dorian Creber(MW1AAH)" <dorian@no-spam-spamcop.net>
Message-ID: <xX0N9.882$fu6.52773@newsfep1-gui.server.ntli.net>
Source record: 4509

oh yeah lol

the tnc is an old Paccomm tiny-2 mk1
Pc runs winxp pro 256megs etc etc
Athlon 1ghz
rig Alinco DR610

"Dorian Creber(MW1AAH)" <dorian@no-spam-spamcop.net> wrote in message
news:B4%M9.838$fu6.43694@newsfep1-gui.server.ntli.net...
> I'm trying to use the latest version off the website.
> With ui-view 32 but I get an illegal operation when I try to send a Query
or
> ping etc via ui-view...
>
> Any ideas?
>
>
> "Roger Barker" <roger@peaksys.co.uk> wrote in message
> news:IaxRIQAWx3A+EwRw@peaksys.co.uk...
> > In article <sEKM9.2680$e34.67833@newsfep1-gui.server.ntli.net>, Dorian
> > Creber(MW1AAH) <dorian@no-spam-spamcop.net> writes
> > >Hi there,
> > >
> > >Anyone managed to get AGW working on Win xp with ui-view32 ??
> >
> > Running at this very moment on my PC, and on the PCs of an awful lot of
> > other users... If your installation of AGWPE will work with any program,
> > then it should work with UI-View32 without any problem.
> >
> > So you really need to explain what specific problem you are having, what
> > hardware you are trying to use - sound card, TNC, etc - and what version
> > of AGWPE you are using.
> >
> > --
> > Roger Barker, G4IDE - roger@peaksys.co.uk
> > For UI-View go to - http://www.UI-View.com
> > For WinPack go to - http://www.peaksys.co.uk
>
>

2786. Anyone know of a USB Dab Radio for the PC?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-21 17:05:41 UTC
From: Mister P <misterp@theloft.karoo.co.uk>
Message-ID: <5s690v8jngrm7sk1u6eeus1uraepee2nnt@4ax.com>
Source record: 4510

Ive got an FM USB D-link and its great, are there any Dab ones around?

2787. Emergency Communication Article

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-22 00:47:36 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <IY7N9.913$So6.229738592@newssvr11.news.prodigy.com>
Source record: 4511

Article "Emergency Digital Communications - Another Angle" at:

http://www.uspacket.net/l_ecom01.htm

Describes a proposal for using multicast broadcast protocol for some
emergency ham radio communications tasks.

Software links, setup suggestions included. Read about it, then do it!

Charles, N5PVL
webmaster@uspacket.net
http://www.uspacket.net

2788. DARPA report on XG technology

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-22 11:56:01 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <lLhN9.2211$wF5.806562953@newssvr12.news.prodigy.com>
Source record: 4512

http://www.darpa.mil/DARPATech2002/presentations/ato_pdf/speeches/MARSHALL.p
df

"In the world of XG, the spectrum can be an open space, without fixed
limits, and colors. It can make the
allocation chart all white."

Charles, N5PVL

2789. TS-140 for RTTY ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-22 17:51:10 UTC
From: Torbjørn Morka <tmorka@online.no>
Message-ID: <3E05FB8E.7070007@online.no>
Source record: 4513

Anyone with experience regarding this ?

Any info on the web about this matter ?

thanks,
T.

2790. Re: TS-140 for RTTY ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-22 18:27:59 UTC
From: "Steve, K5OKC" <k5okc@nojunk.cox.net>
Message-ID: <PunN9.157176$JE.155272@news1.central.cox.net>
Source record: 4514

Try this page:

http://www.google.com/search?hl=en&ie=UTF-8&oe=UTF-8&q=TS-140+RTTY

"Torbj&#65533;rn Morka" <tmorka@online.no> wrote
> Anyone with experience regarding this ?
>
> Any info on the web about this matter ?

2791. Re: First-Time PSK31 Listener Has Question(s)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-22 19:00:18 UTC
From: Neil M Barrowman <rn822706@ntlworld.com>
Message-ID: <CZnN9.2398$1P6.289419@newsfep2-win.server.ntli.net>
Source record: 4515

Make sure output from sound card is "selected" and NOT muted then tune rx to
14.070mhz. --or 21.070mhz ----28.120mhz
rx must be switced toUSB. iF ALL CONNECTIONS ARE OK ---you should now see
vertical traces running down from the "waterfall" display.make sure you
select "trace"colours which show in agood contrast to the waterfall
background. these frequencies are the most likely ones to rx psk
transmissions 73 de gm0ltq.
"Gary Brown" <gbrown@nc.rr.com> wrote in message
news:_rOM9.49862$Fq3.2319519@twister.southeast.rr.com...
> OK, Icom 746 hooked up to a RASCAL to a PC running Digipan.
> COM port configured so it keys the rig, but I never get the bright
> yellow-green stripe in the parallel lines.
> Audio cables connected to sound card via accessory jack in the Icom.
>
> Just need a few hints...I will do this primarily in evenings, so am
checking
> freqs from 18 MHZ and down.
>
> What do I need to do to see something in the Spectrum Window?
>
> many 73s,
>
> Gary
> K4GPB
>
>
>

2792. Re: Anyone know of a USB Dab Radio for the PC?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-22 20:27:22 UTC
From: None <root@localhost.localdomain>
Message-ID: <au577amag2@knossos.btinternet.com>
Source record: 4516

Checkout the PSION wavefinder at www.wavefinder.co.uk. You can buy these for between 50-100 pounds.

Mister P wrote:

> Ive got an FM USB D-link and its great, are there any Dab ones around?

2793. Ft 50 r ADMS softwre req

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-23 01:51:43 UTC
From: COLIN J <oz123colin@internode.on.net>
Message-ID: <3e066c2f$1@duster.adelaide.on.net>
Source record: 4517

Hello,
i have a corrupt ADMS software disk for the FT-50r.

If you have the programming software ,could you send it to me..if you need more details let me know please...Tnx Colin

2794. PSK31 using KPSK for Linux: Success!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-23 09:04:15 UTC
From: Unclaimed Mysteries <k4doh@mindspring.com>
Message-ID: <au6jg8$88t$1@slb9.atl.mindspring.net>
Source record: 4520

At last...

1) Tosh 2805 laptop with the funky Yamaha sound chip YMF754

2) Mandrake Linux 9.0 - 2.4.18, alsa sound driver worked well with above mentioned YMF754

3) KPSK 1.0

First QSO (about 20 watts) on 20 meters yesterday with special call 6J1YJS, FEDERACION MEXICANA DE RADIO EXPERIMENTADORES, A.C. LXX ANNIVERSARY. Thanks Joaquin!

Corry

--
It Came From C. L. Smith's Unclaimed Mysteries.
http://www.unclaimedmysteries.net

"Psych-O-Delic Voodoo Thunder Pig" <jp@attbi.com> wrote in rec.photo.digital: "Here's my serious reply: You're an idiot."

2795. Re: TS-140 for RTTY ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-23 09:48:43 UTC
From: Torbjørn Morka <tmorka@online.no>
Message-ID: <3E06DBFB.10706@online.no>
Source record: 4518

Steve, K5OKC wrote:
> Try this page:
>
> http://www.google.com/search?hl=en&ie=UTF-8&oe=UTF-8&q=TS-140+RTTY
>
>
> "Torbjï¿½rn Morka" <tmorka@online.no> wrote
>
>>Anyone with experience regarding this ?
>>
>>Any info on the web about this matter ?
>
>
>

Would you know... Just what i did, and came up with a whole lot of ideas :-)

After i just posted my request :-(

T.

2796. Re: TS-140 for RTTY ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-23 10:09:42 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <GhBN9.2772$jK.1015147663@newssvr12.news.prodigy.com>
Source record: 4519

"Torbj&#65533;rn Morka" <tmorka@online.no> wrote in message
news:3E06DBFB.10706@online.no...
>
> Would you know... Just what i did, and came up with a whole lot of ideas
:-)
>
> After i just posted my request :-(

I know what you mean... It happens to me all the time.

Charles, N5PVL

2797. Kenwood TS-140 and Digimodes(ACC2-input)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-24 12:58:59 UTC
From: Torbjørn Morka <tmorka@online.no>
Message-ID: <3E085A13.7000402@online.no>
Source record: 4521

Unfortunately it seems i have used much to high level of audio in to
this transceiver, spec says 10mV i used apx 5Vpp over many occations...

Since i now can not see any "life" in my ALC/PWR-meter, something must
be wrong ??
It stood on around 8watt when transmitting, now obviously no more than
zero...

shit.

Any help/ideas ?

Torbjorn.

2798. Alpha program

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-24 18:05:52 UTC
From: Captain Liberty <Barrister54@socal.rr.com>
Message-ID: <4m1O9.176421$%k2.46516942@twister.socal.rr.com>
Source record: 4522

I would like to receive an email from anyone using the "Alpha" program for the PTC-II.

Thanks de Roger, W6VZV

2799. Settings for 1000MP for digital

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-24 18:07:41 UTC
From: Captain Liberty <Barrister54@socal.rr.com>
Message-ID: <Nn1O9.176422$%k2.46518876@twister.socal.rr.com>
Source record: 4523

I would like to discuss with any user of the Yaesu 1000MP which setting on menu 6-4 properly reflects a "Mark" frequency display. Specifically, I use a Tone setting of 1700 (1600/1800hz) for menu 6.5. Thanks.

de Roger, W6VZV
barrister54@socal.rr.com

2800. help... decoding transponder pulses from soundcard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-25 05:05:53 UTC
From: rgsnews@gapable.com
Message-ID: <8aa96b4.0212242105.43b3d1b7@posting.google.com>
Source record: 4524

Hi, I'm working on a little project trying to decode transponder replies
from my pro-2004 receiver.. They are little blips on 1090mhz, supposedly the
format is 2 framing pulses at 20.4 microsecs apart, with 12 pulses in between at about .4 microsec each... When I view these sounds visually with
a sound editor I can decode them manually- how difficult will this be as a beginning dsp project? Im a seasonsed programmer, just no realtime experience or sound whatsoever... Would I be better off with the baseband audio/discriminator output from my receiver?

Does anyone know of an api or framework I can use to get started? I was hoping to find some C program that did tacan or CW decoding or something and I could hack it for this purpose. any help at all would be greaty appreciated.

Graham Street

2801. Re: help... decoding transponder pulses from soundcard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-25 05:43:28 UTC
From: Jim Pennino <jimp@specsol.com>
Message-ID: <aubghvhkh1@mail.specsol.com>
Source record: 4525

Graham <rgsnews@gapable.com> wrote:
> Hi, I'm working on a little project trying to decode transponder
> replies
> from my pro-2004 receiver.. They are little blips on 1090mhz,
> supposedly the
> format is 2 framing pulses at 20.4 microsecs apart, with 12 pulses
> in between at about .4 microsec each... When I view these sounds
> visually with
> a sound editor I can decode them manually- how difficult will this be
> as a beginning dsp project? Im a seasonsed programmer, just no
> realtime experience or sound whatsoever... Would I be better off with
> the baseband audio/discriminator output from my receiver?

> Does anyone know of an api or framework I can use to get started? I
> was hoping to find some C program that did tacan or CW decoding or
> something and I could hack it for this purpose. any help at all would
> be greaty appreciated.

> Graham Street

Don't know about decoding it with a sound card, but for what the codes really are, how they're timed, and what they mean, see http://www.airsport-corp.com/modec.htm

You are aware that random replies are going to contain both mode A and mode C data I presume?

Then there's the little problem of civilian transponders vs military IFF.

For a discussion on that, see http://www.dean-boys.com/extras/iff/iffqa.html

And of course, there's the up and coming mode S replies. I'm afraid I don't have a link that explains that encoding.

--
Jim Pennino

2802. Re: help... decoding transponder pulses from soundcard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-25 05:49:52 UTC
From: Phil Karn <karn@ka9q.net>
Message-ID: <4GbO9.177857$%k2.47087552@twister.socal.rr.com>
Source record: 4526

Graham wrote:
> Hi, I'm working on a little project trying to decode transponder
> replies
> from my pro-2004 receiver.. They are little blips on 1090mhz,
> supposedly the
> format is 2 framing pulses at 20.4 microsecs apart, with 12 pulses
> in between at about .4 microsec each... When I view these sounds
> visually with
> a sound editor I can decode them manually-

Are you sure you can do this? Those timings imply a pretty broad
bandwidth, well beyond what a typical scanner and sound card can handle.

Phil

2803. FS: Kantronics KPC3 Plus Manual

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-25 10:00:08 UTC
From: "Benjamin, KB9LFZ" <KB9LFZ@arrl.net>
Message-ID: <3e097e52$1_6@news.teranews.com>
Source record: 4527
Cross-posted to: rec.radio.amateur.antenna,alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

Hello All!

Have here a Kantronics KPC3 Plus manaul upfor grabs.

Good Condition for the exception of some kind of stain on bottom
right side.. about the size of a 50cent piece.

Just asking $5 and whatever it costs to get it shipped to the
address your provide.

Email me with your interest and we'll go from there.

Respectfully,
~Benjamin
de KB9LFZ {arrl.net}

2804. Re: help... decoding transponder pulses from soundcard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-25 15:48:01 UTC
From: Steve Young <syoung@reuters.com>
Message-ID: <RqkO9.183402$JE.40506@news1.central.cox.net>
Source record: 4528

"Graham" <rgsnews@gapable.com> wrote
>
> Hi, I'm working on a little project trying to decode transponder
> replies from my pro-2004 receiver.. They are little blips on
>1090mhz, supposedly the format is 2 framing pulses at 20.4 microsecs
> apart, with 12 pulses in between at about .4 microsec each... When
> I view these sounds visually with a sound editor I can decode them
> manually- how difficult will this be as a beginning dsp project?

What sound editor are you using?

> Im a seasonsed programmer, just no realtime experience or sound
> whatsoever... Would I be better off with the baseband audio/discriminator
> output from my receiver?

Poor choice of radio. The pulses are .45 usec and you need about 2.5 MHz
bandwidth to pass them without distortion, and a log-amp to get the dynamic
range of replies.

Also, you will need a second receiver to gate (enable) the first when the
interrogator (airline or ground site) is transmitting the mode, otherwise all
the codes received are giberish, as you don't know if they are mode 1, 2,
3, or C.

> Does anyone know of an api or framework I can use to get started? I
> was hoping to find some C program that did tacan or CW decoding or
> something and I could hack it for this purpose. any help at all would
> be greaty appreciated.

This is best called "the fringe" as far as experimenting is concerned :-)
The question you want to answer, is what will you do with the data after
you decode it? Theoretically you will have a gadget that outputs 1 of
4096 codes at any point. Now what?

Keep an eye on eBay. Lots of old transponders are listed, but the one
you want, is a Narco from the late 70's. It is discrete components and
all TTL. The transmitter probably won't work, but you only want the
receiver. Pre-70's and early 70's stuff is mostly unusable due to their
massive discrete components, and IC's that are no where to be traced.

With these, all you need is a serial shift register at say 10 times the clock
rate, to do garble detection. You also need to swap the receive freq
from 1030 to 1090 on one of them.

If you are trying to detect airplanes and plot their bearing and range,
then you probably want to consider the DME (TACAN) channels
(these are also available on eBay). Two of these will allow you to

monitor the ground channel and the aircraft, and then all you need is
a good DF setup for L-Band :-) Actually a good DF setup would
be a superior solution to all the above...

2805. [Slightly OT] Christmas Batteries

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-25 16:39:45 UTC
From: Bruce Lane <SpammersAreVermin@dev.nul>
Message-ID: <MPG.18737f31d5a6be79989685@192.168.42.131>
Source record: 4530

Fellow radio folk, I could not resist. Merry Christmas! ;-)

Oh, as for the legalese... The attached is copyright by Bruce (KC7GR) & Dana (no callsign yet) Lane. Anyone can perform it in any venue they want as long as (1), they have fun doing it, and (2), our names remain attached to it as the authors.

Enjoy!

-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-

'Single Cells' -- A Christmas filk

-=-=-=-=-=-=-=-

CHORUS

Single cells, single cells,
Batteries all the way!
Six-Volt, Nine-volt, Lithium,
Ni-Cad Double-AyAY!

Single cells, single cells,
Batteries all the way!
C-size, D-size, GelCell, Coin,
Pick some up today!

-=-=-=-=-=-=-=-=-=-=-

Dashing through the stores,
Your hair in disarray,
You picked up all your Christmas gifts,
your lights and your bouquet,

Then a stray thought struck,
with horrible insight,
you forgot the batteries,
AND it's Christmas night!

CHORUS

So now you're in a rush,
The stores close in an hour,
It looks like Johnny's Speak-and-Spell,
may be short on power,

Then just up ahead,
in garish neon lights,
A door sign that says 'Radio Shack'

your savior is in sight!

CHORUS

So having bought your fill,
Your're on your merry way,
With a load that's sure to raise
eyebrows at EPA!

You get home just in time,
five minutes 'fore midnight,
The power's out so you have to
install by candlelight!

CHORUS

You wake on Christmas morn'
Your brain all in a glaze,
Positive and Negative,
and something about 'phase?'

Down below your floor,
you hear a mighty 'BOOM!'
Maybe, if you're lucky,
it'll be cleaned up by June!

CHORUS and END.

--
Bruce Lane, Owner and Head Hardware Heavy,
Blue Feather Technologies -- http://www.bluefeathertech.com
Amateur Radio: KC7GR (Formerly WD6EOS) since 12-77.
kyrrin (a/t) bluefeathertech dot-com (Reassemble to use)
"I'll get a life when someone demonstrates to me it would be superior to
what I have now..." (Taki Kogoma)

2806. help! PK-80 on vhf packet

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-25 16:58:44 UTC
From: W8CRZ <crandall@ee.net>
Message-ID: <8tlO9.226$hO2.2941@news>
Source record: 4529

I must be stupid but I can't get my pk-80 to receive anything.Could someone who has one of these tell me what jumpers are on and anyother important stuff? I have run mfj's and even got a Heathkit hd-4040 going but this one is kicking my butt! Thanks for anyhelp you can provide.
Rob W8CRZ

2807. Re: help... decoding transponder pulses from soundcard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-25 17:33:31 UTC
From: rgsnews@gapable.com
Message-ID: <8aa96b4.0212250933.4938b48d@posting.google.com>
Source record: 4531

oh... well, no I am not sure I can do it... but I thought I was able to decode
them visually- maybe not though.. I dont know that much about how my equipment
capabilities could limit me- it may very well be a physical impossibility... It seems right though, when I look at the wave and zoom in, I see several pulses spanning about 02 milliseconds... That would be about right, no?

Here is a jpg of what I'm analyzing.. please let me know if i'm dreaming here...

http://kaninekids.com/squawk/squawk.jpg

thanks for the help!!!

2808. Re: help... decoding transponder pulses from soundcard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-25 21:13:27 UTC
From: rgsnews@gapable.com
Message-ID: <8aa96b4.0212251313.4cf3533b@posting.google.com>
Source record: 4532

ooooohh cool... Good idea with the DME and DF thing. As you guessed,
I'm basically trying to build a homemade TCAS. I was figuring I
wouldnt need to know if it was a mode123c reply, but having a receiver
on 1030mhz would
mean I could, which would then give me the a/c altitude and squawk.

I'm not nearly as sharp with electronics, so I was hoping to solve the
problem entirely in software- but it sounds like using an old
transponder
with the freqs reversed would make a great receiver. thanks for your
thoughts.

Graham

"Steve Young" <syoung@reuters.com> wrote in message
news:<RqkO9.183402$JE.40506@news1.central.cox.net>...
> "Graham" <rgsnews@gapable.com> wrote
> >
> > Hi, I'm working on a little project trying to decode transponder
> > replies from my pro-2004 receiver.. They are little blips on
> >1090mhz, supposedly the format is 2 framing pulses at 20.4 microsecs
> > apart, with 12 pulses in between at about .4 microsec each... When
> > I view these sounds visually with a sound editor I can decode them
> > manually- how difficult will this be as a beginning dsp project?
>
> What sound editor are you using?
>
> > Im a seasonsed programmer, just no realtime experience or sound
> > whatsoever... Would I be better off with the baseband audio/discriminator
> > output from my receiver?
>
> Poor choice of radio. The pulses are .45 usec and you need about 2.5 MHz
> bandwidth to pass them without distortion, and a log-amp to get the dynamic
> range of replies.
>
> Also, you will need a second receiver to gate (enable) the first when the
> interrogator (airline or ground site) is transmitting the mode, otherwise all
> the codes received are giberish, as you don't know if they are mode 1, 2,
> 3, or C.
>
> > Does anyone know of an api or framework I can use to get started? I
> > was hoping to find some C program that did tacan or CW decoding or
> > something and I could hack it for this purpose. any help at all would
> > be greaty appreciated.
>

> This is best called "the fringe" as far as experimenting is concerned :-)
> The question you want to answer, is what will you do with the data after
> you decode it? Theoretically you will have a gadget that outputs 1 of
> 4096 codes at any point. Now what?
>
> Keep an eye on eBay. Lots of old transponders are listed, but the one
> you want, is a Narco from the late 70's. It is discrete components and
> all TTL. The transmitter probably won't work, but you only want the
> receiver. Pre-70's and early 70's stuff is mostly unusable due to their
> massive discrete components, and IC's that are no where to be traced.
>
> With these, all you need is a serial shift register at say 10 times the clock
> rate, to do garble detection. You also need to swap the receive freq
> from 1030 to 1090 on one of them.
>
> If you are trying to detect airplanes and plot their bearing and range,
> then you probably want to consider the DME (TACAN) channels
> (these are also available on eBay). Two of these will allow you to
> monitor the ground channel and the aircraft, and then all you need is
> a good DF setup for L-Band :-) Actually a good DF setup would
> be a superior solution to all the above...

2809. Re: Kenwood TS-140 and Digimodes(ACC2-input)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-25 22:32:39 UTC
From: Bob Cameron <bob.cameron.remove@optusnet.com.au>
Message-ID: <8mbdua.5r2.ln@p400bob.lse.com.au>
Source record: 4533

Torbjï¿½rn Morka wrote:

> Unfortunately it seems i have used much to high level of audio in to
> this transceiver, spec says 10mV i used apx 5Vpp over many occations...
>
> Since i now can not see any "life" in my ALC/PWR-meter, something must
> be wrong ??
> It stood on around 8watt when transmitting, now obviously no more than
> zero...
>
> shit.
>
> Any help/ideas ?
>
> Torbjorn.
>

Yes it sounds damaged...

I have the TS140/TS680 service manual if it helps.

The ACC2 conn appears to be on the "Signal Unit", the input being signal
PKD.

PKD then enters the switch unit into a 10K trimpot and one or two other R's
and C's. The next active device it hits is an opamp that is also used as
the microphone amplifier.

Is the mic input dead as well? I'd suspect this device (uPC11582) as a
starting point.

Gimee a shout if u need more help/cct scan.

Cheers Bob VK2YQA

2810. RTTY under Linux

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-25 23:50:13 UTC
From: Bob Cameron <bob.cameron.remove@optusnet.com.au>
Message-ID: <l7gdua.lo4.ln@p400bob.lse.com.au>
Source record: 4534

Hi

Have spent a lot of time looking for a rtty pgm on Linux. I came accross
the decoder (works fine) but haven't found an encoder.

Anybody seen one?

Cheers Bob VK2YQA

2811. Re: RTTY under Linux

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-26 04:45:08 UTC
From: Bob Nielsen <nielsen@remove_this.oz.net>
Message-ID: <aue1gkrru0@216.39.144.81>
Source record: 4535

There is a transmit program for RTTY at
http://www.dl8bcu.de/download/rtty

Or you could both transmit and receive RTTY with gmfsk:

http://hes.iki.fi/pub/ham/unix/linux/hfmodems/

The best source to look for ham Linux programs is
http://radio.linux.org.au

73,
Bob, N7XY

On Thu, 26 Dec 2002 10:50:13 +1100, Bob Cameron wrote:
>
> Hi
>
> Have spent a lot of time looking for a rtty pgm on Linux. I came accross
> the decoder (works fine) but haven't found an encoder.
>
> Anybody seen one?
>
> Cheers Bob VK2YQA

2812. Re: help... decoding transponder pulses from soundcard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-26 14:20:56 UTC
From: Jake Brodsky <frussle@erols.com>
Message-ID: <6q3m0vkv27br66e1jb3d4hamf5mo3t7q4o@4ax.com>
Source record: 4536

On 25 Dec 2002 13:13:27 -0800, rgsnews@gapable.com (Graham) wrote:

>oooohh cool... Good idea with the DME and DF thing. As you guessed,
>I'm basically trying to build a homemade TCAS. I was figuring I
>wouldnt need to know if it was a mode123c reply, but having a receiver
>on 1030mhz would
>mean I could, which would then give me the a/c altitude and squawk.

Only problem is that DME gear is disappearing from aircraft as fast as newer GPS gear is being installed. The FAA has pretty much given it's blessing to use GPS in lieu of DME in most cases, including instrument approaches.

Try looking up the Ryan TCAD patents. You aren't the first to have thought of using fruit from other transponder interrogators to find traffic.

73,

Jake Brodsky, mailto:frussle@erols.com
PP ASEL IA, Cessna Cardinal N30946, Based @ FME
Amateur Radio Station AB3A

2813. Standard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-26 20:01:31 UTC
From: Carl Domanico <carl.domanico@verizon.net>
Message-ID: <3E0B604D.20300@verizon.net>
Source record: 4537

Hi I have a Standard C-5718DA 144/440 Remotable Mobile...I have the optional Memory Chip Installed, allowing for 100 Memory Channels per band. I have spare Mic Extention Cables at different lengths....I purchased the radio and accessories new...I'm really looking for a swap not cash....I'm in the Market for an High Frequency Radio....All offers will be looked in to.....

Thanks
Carl
N2MFW

2814. Re: Kenwood TS-140 and Digimodes(ACC2-input)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-27 12:59:48 UTC
From: Torbjørn Morka <tmorka@online.no>
Message-ID: <3E0C4EC4.9090403@online.no>
Source record: 4538

Bob Cameron wrote:
> Torbjï¿½rn Morka wrote:
>
>
>>Unfortunately it seems i have used much to high level of audio in to
>>this transceiver, spec says 10mV i used apx 5Vpp over many occations...
>>
>>Since i now can not see any "life" in my ALC/PWR-meter, something must
>>be wrong ??
>>It stood on around 8watt when transmitting, now obviously no more than
>>zero...
>>
>>shit.
>>
>>Any help/ideas ?
>>
>>Torbjorn.
>>
>
>
> Yes it sounds damaged...
>
> I have the TS140/TS680 service manual if it helps.
>
> The ACC2 conn appears to be on the "Signal Unit", the input being signal
> PKD.
>
> PKD then enters the switch unit into a 10K trimpot and one or two other R's
> and C's. The next active device it hits is an opamp that is also used as
> the microphone amplifier.
>
> Is the mic input dead as well? I'd suspect this device (uPC11582) as a
> starting point.
>
> Gimee a shout if u need more help/cct scan.
>
> Cheers Bob VK2YQA

The cause of the "error" was wery easy, and i feel almost stupid...
A wire was in contact with ground on my little PCB-card that i use for
switching/interfacing purposes... With allmost no signal to the PKD as
result :-(

73'
T.

2815. Re: PSK31 using KPSK for Linux: Success!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-27 22:09:00 UTC
From: Dave Hunt <dave.hunt2@verizon.net>
Message-ID: <m0isxf15ae.fsf@localhost.localdomain>
Source record: 4539

Does this program work with the non-gui console?

I run RHL 7.2, with no gui; am blind.

Thanks,

-Dave Hunt wx1g

"Unclaimed Mysteries" <k4doh@mindspring.com> writes:

> At last...
>
> 1) Tosh 2805 laptop with the funky Yamaha sound chip YMF754
<snip>

2816. Re: Palmtop/Small laptop for PSK31????????????

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-27 22:18:24 UTC
From: Barnaby Jones <hchobity@hotmail.com>
Message-ID: <v0pkdiae3vo574@corp.supernews.com>
Source record: 4540

Ed Bruchac wrote:
> Would like to run PSK/HELL portable,with my FT817----wonder if anyone has any
> experience and/or suggestions for either a Palm Top,or really small
> laptop.Ability to run off 12V ext.power would be a plus; soundcard,or at least
> a PCM slot for a soundcard would be a necessity.
>
> Currently running digital modes with a Dell 333 mhz notebook, but don't want to
> carry it hiking because of weight,ect.
> 73,
> Ed N4ZUM
>
>
> **Remove the,"nojunk" to email.**
>
> "A Picture is Worth a Thousand Words...but uses a thousand times more memory."
>
>
I had an HP300 once that worked PERFECTLY for packet. I wish it was
never stolen by the movers. They run on 2 AA batteries for a couple of
hours.

2817. PK232 and TS430 will they work on AMTOR ARQ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-28 02:27:06 UTC
From: Richard Brittingham <rbritt@gohip.com>
Message-ID: <to2q0vcionmroc92r06aatlve3hoirhok9@4ax.com>
Source record: 4541

Hi, I am trying to use a old PK-232 (no Pactor or MBX) and a TS-430 to connect to a MARS message board on HF using ARQ. Has anyone done this with this rig? I can send find but do not see any traffic or get a connect light? The remote station is hearing my request with its callsign and its sending to be.

Thanks

Richard
W4MCD
NNN0LNM

(send replies to my ham call at yahoo.com or to here on the newsgroup)

Thanks

2818. Re: PSK31 using KPSK for Linux: Success!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-28 07:13:19 UTC
From: Unclaimed Mysteries <k4doh@mindspring.com>
Message-ID: <aujis6kuj1@slb9.atl.mindspring.net>
Source record: 4542

"Dave Hunt" <dave.hunt2@verizon.net> wrote in part:

> Does this program work with the non-gui console?

No. KPSK is a KDE application run while in an X session.

Perhaps a console program called psk31lx is a possibility. I haven't tried it. It may still be around. Debian types seems to know about it.

If your hardware is up to it, you could *try* DigiTalk under Wine, or better, VMWare. A long shot I know.

Corry

--
It Came From C. L. Smith's Unclaimed Mysteries.
http://www.unclaimedmysteries.net

"No nation can preserve its freedom in the midst of continual warfare." -James Madison

2819. Re: help... decoding transponder pulses from soundcard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-28 08:25:27 UTC
From: Phil Karn <karn@ka9q.net>
Message-ID: <3E0D5FF6.7050208@ka9q.net>
Source record: 4543

You see a series of pulses because the interrogations are repeated at a fairly high rate, several hundred times per second. Each interrogation shows up as a separate pulse in your plot, but the individual bits within each interrogation are hopelessly smeared together because your receiver bandwidth is much too small.

Phil

2820. Re: PK232 and TS430 will they work on AMTOR ARQ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-28 12:19:43 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <zFgP9.1534$6Z5.1082392731@newssvr11.news.prodigy.com>
Source record: 4544

I used to use my old PK-232 for AMTOR, and it worked just fine.

Charles, N5PVL

"Richard Brittingham" <rbritt@gohip.com> wrote in message
news:to2q0vcionmroc92r06aatlve3hoirhok9@4ax.com...
> Hi, I am trying to use a old PK-232 (no Pactor or MBX) and a TS-430 to
> connect to a MARS message board on HF using ARQ. Has anyone done this
> with this rig? I can send find but do not see any traffic or get a
> connect light? The remote station is hearing my request with its
> callsign and its sending to be.
>
> Thanks
>
> Richard
> W4MCD
> NNN0LNM
>
> (send replies to my ham call at yahoo.com or to here on the newsgroup)
>
> Thanks
>
>

2821. Re: FS: Kantronics KPC3 Plus Manual

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-28 17:21:20 UTC
From: Bill Aycock <baycock@hiwaay.net>
Message-ID: <3E0DDD90.4080106@hiwaay.net>
Source record: 4545
Cross-posted to: rec.radio.amateur.antenna,alt.ham-radio.vhf-uhf,rec.radio.amateur.digital.misc,rec.radio.amateur.equipment

Benjamin-
have you checked your mail lately?
Bill

Benjamin, KB9LFZ wrote:
> Hello All!
>
> Have here a Kantronics KPC3 Plus manaul upfor grabs.
>
> Good Condition for the exception of some kind of stain on bottom
> right side.. about the size of a 50cent piece.
>
> Just asking $5 and whatever it costs to get it shipped to the
> address your provide.
>
> Email me with your interest and we'll go from there.
>
> Respectfully,
> ~Benjamin
> de KB9LFZ {arrl.net}
>
>

2822. Re: PK232 and TS430 will they work on AMTOR ARQ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-28 18:46:28 UTC
From: Richard Brittingham <rbritt@gohip.com>
Message-ID: <r7sr0v433b6mv8jjl953no9a5u1m5jilfs@4ax.com>
Source record: 4546

Did you use a TS-430? I am starting to think the lack of being able to
adjust my AGC is keeping my PK-232 from seeing any aab messages and
replying. But I have never gotten it to work so it could be the way I
have my Pacratt software setup.

Any suggestions of setting up the software to opeerate on Amtor?

Thanks and 73

W4MCD

On Sat, 28 Dec 2002 12:19:43 GMT, "charlesb" <n5pvl@sbcglobal.net>
wrote:

>I used to use my old PK-232 for AMTOR, and it worked just fine.
>
>Charles, N5PVL
>
>
>"Richard Brittingham" <rbritt@gohip.com> wrote in message
>news:to2q0vcionmroc92r06aatlve3hoirhok9@4ax.com...
>> Hi, I am trying to use a old PK-232 (no Pactor or MBX) and a TS-430 to
>> connect to a MARS message board on HF using ARQ. Has anyone done this
>> with this rig? I can send find but do not see any traffic or get a
>> connect light? The remote station is hearing my request with its
>> callsign and its sending to be.
>>
>> Thanks
>>
>> Richard
>> W4MCD
>> NNN0LNM
>>
>> (send replies to my ham call at yahoo.com or to here on the newsgroup)
>>
>> Thanks
>>
>>
>

2823. Re: PK232 and TS430 will they work on AMTOR ARQ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-28 19:30:25 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <lZmP9.4276$hQ2.2002760889@newssvr12.news.prodigy.com>
Source record: 4547

"Richard Brittingham" <rbritt@gohip.com> wrote in message
news:r7sr0v433b6mv8jjl953no9a5u1m5jilfs@4ax.com...
> Did you use a TS-430? I am starting to think the lack of being able to
> adjust my AGC is keeping my PK-232 from seeing any aab messages and
> replying. But I have never gotten it to work so it could be the way I
> have my Pacratt software setup.
>
> Any suggestions of setting up the software to opeerate on Amtor?

Its been a few years, but it seems I remember having to do a mod on the AGC
to get it to fly on AMTOR.

This site: http://www.mods.dk has a mod listed for the TS-430 and AMTOR.

I had a lot of fun with my TS-430 / PK-232 combo on AMTOR, including some
good DX. It was a long time ago though. Sorry I can't remember more about
the mod I did back then.

Good luck!

Charles, N5PVL

2824. MMTTY as a Beacon ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-28 21:18:28 UTC
From: Torbjørn Morka <tmorka@online.no>
Message-ID: <3E0E1524.6020208@online.no>
Source record: 4548

Is this possible, or maybe "WinPSKSE" ?

Torbjï¿½rn.

2825. Re: help... decoding transponder pulses from soundcard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-28 21:38:14 UTC
From: rgsnews@gapable.com
Message-ID: <8aa96b4.0212281338.45ec34ec@posting.google.com>
Source record: 4549

Phil Karn <karn@ka9q.net> wrote in message news:<3E0D5FF6.7050208@ka9q.net>...
> You see a series of pulses because the interrogations are repeated at a
> fairly high rate, several hundred times per second. Each interrogation
> shows up as a separate pulse in your plot, but the individual bits
> within each interrogation are hopelessly smeared together because your
> receiver bandwidth is much too small.
>
> Phil

Are you sure about this? The interrogations should be on 1030 mhz and
the replies on 1090mhz (which is what I am monitoring...) and the
items I'm interpreting as pulses last approx .004 milliseconds-
wouldnt that be the same width as a .4 usecs?

2826. Re: help... decoding transponder pulses from soundcard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-28 22:48:17 UTC
From: Jim Pennino <jimp@specsol.com>
Message-ID: <aul9nh$io7$1@mail.specsol.com>
Source record: 4550

Graham <rgsnews@gapable.com> wrote:
> Phil Karn <karn@ka9q.net> wrote in message news:<3E0D5FF6.7050208@ka9q.net>...
>> You see a series of pulses because the interrogations are repeated at a
>> fairly high rate, several hundred times per second. Each interrogation
>> shows up as a separate pulse in your plot, but the individual bits
>> within each interrogation are hopelessly smeared together because your
>> receiver bandwidth is much too small.
>>
>> Phil

> Are you sure about this? The interrogations should be on 1030 mhz and
> the replies on 1090mhz (which is what I am monitoring...) and the
> items I'm interpreting as pulses last approx .004 milliseconds-
> wouldnt that be the same width as a .4 usecs?

.004 millisec = 4 usec

--
Jim Pennino

2827. Re: Kenwood TS-140 and Digimodes(ACC2-input)

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-28 23:32:15 UTC
From: Bob Cameron <bob.cameron.remove@optusnet.com.au>
Message-ID: <v9clua.7of.ln@p400bob.lse.com.au>
Source record: 4452

Torbjï¿½rn Morka wrote:

> The cause of the "error" was wery easy, and i feel almost stupid...
> A wire was in contact with ground on my little PCB-card that i use for
> switching/interfacing purposes... With allmost no signal to the PKD as
> result :-(

Well that should cure the nasty feeling in the pit of the stomach....

Remember to always tune for minimum smoke... <grin>

Cheers Bob

2828. Re: PSK31 using KPSK for Linux: Success!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-28 23:34:48 UTC
From: Bob Cameron <bob.cameron.remove@optusnet.com.au>
Message-ID: <oeclua.7of.ln@p400bob.lse.com.au>
Source record: 4453

Dave Hunt wrote:

> Does this program work with the non-gui console?
>
> I run RHL 7.2, with no gui; am blind.
>
> Thanks,
>
> -Dave Hunt wx1g

Haven't checked all of the ins and outs but the twpsk package has included an underlying psk311x that runs in CLI mode.

Hope this helps

Cheers Bob VK2YQA

2829. Re: help... decoding transponder pulses from soundcard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-28 23:44:59 UTC
From: Steve Young <syoung@reuters.com>
Message-ID: <%HqP9.208868$JE.60758@news1.central.cox.net>
Source record: 4451

"Graham" <rgsnews@gapable.com> wrote
> Phil Karn <karn@ka9q.net> wrote
> > You see a series of pulses because the interrogations are repeated at a
> > fairly high rate, several hundred times per second. Each interrogation
> > shows up as a separate pulse in your plot, but the individual bits
> > within each interrogation are hopelessly smeared together because your
> > receiver bandwidth is much too small.
>
> Are you sure about this? The interrogations should be on 1030 mhz and
> the replies on 1090mhz (which is what I am monitoring...) and the
> items I'm interpreting as pulses last approx .004 milliseconds-
> wouldnt that be the same width as a .4 usecs?

.000 000 45 seconds
.000 45 msec
.45 usec

Most FAA interrogators (not TCAS equipped aircraft) operate at
5 ms PRT (pulse recurrence time), or about 200 interrogations a
second. As the antenna scans through the targets it will evoke about
100 replies from each aircraft.

What you are basically attempting to do is watch 2 MHz worth of
spectrum on a 5 kHz radio (1/400th of the spectrum), and while you
will see something, that something is completely corrupted.

2830. Re: help... decoding transponder pulses from soundcard

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-28 23:50:41 UTC
From: Steve Young <syoung@reuters.com>
Message-ID: <INqP9.208870$JE.113586@news1.central.cox.net>
Source record: 4454

> What you are basically attempting to do is watch 2 MHz worth of
> spectrum on a 5 kHz radio (1/400th of the spectrum), and while you
> will see something, that something is completely corrupted.

Say I sliced up the neighbors cat into 400 equally spaced slices, and handed you one slice. Could you identify that it was a cat, or what the cats name was?

Meow...

2831. Re: Roxanna, this is my view from NYC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-28 23:59:08 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <gVqP9.1690$Ck4.1206925497@newssvr11.news.prodigy.com>
Source record: 4455
Cross-posted to: rec.arts.prose,rec.music.makers.marketplace,rec.radio.amateur.antenna,rec.radio.amateur.digital.misc

"Josef L. Harris" <DK088mHJ@OXUQXA.ORG.HK> wrote in message
news:c553d70f.904dc358@OXUQXA.ORG.HK...
> a very skillful attack
>

It seemed kind of stupid and disconnected to me. I wrote better social
commentary when I was twelve.

... And this has *what* to do with digital ham radio?

Charles, N5PVL

2832. Re: Roxanna, this is my view from NYC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-29 00:41:23 UTC
From: W6DKN <w6dkn-nospam-@qsl.net>
Message-ID: <BprP9.26235$BP.4568@fe01>
Source record: 4456
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.digital.misc

"Josef L. Harris" <DK088mHJ@OXUQXA.ORG.HK> wrote in message
news:c553d70f.904dc358@OXUQXA.ORG.HK...
> a very skillful attack
>
> who profits?
>
> -Israeli incursions in two P.A. towns
> -the largest British fleet organized in eighteen years
> "coincidentally" has been on route for days nearing the
> Middle East for "maneuvers"
> -America asking for coalition of global powers for
> new "counter-insurgent" war... a planetary Vietnam.
<<< Rest of rambling rand deleted >>>

Nice diatribe, pal. Now be quiet and sit back while we exterminate these low life bastards... :>) Admiral Yamamoto had a bad case of constipation right after attacking Pearl Harbor because *he knew* what was coming... who knows, maybe the middle east will glow in the dark too when it's all said and done...

73 de W6DKN

2833. Packet BBS list

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-29 03:05:14 UTC
From: Don West <Don-West@worldnet.att.net>
Message-ID: <KDtP9.18094$p_6.1407109@bgtnsc04-news.ops.worldnet.att.net>
Source record: 4457

Hi,
Anyone know where you can find a list of currently active 2 Meter packet
BBSs? I am in Indianapolis, and cannot find one.

Thanks & 73,
Don - W9DEW

2834. Re: PK232 and TS430 will they work on AMTOR ARQ?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-29 03:39:46 UTC
From: Captain Liberty <Barrister54@socal.rr.com>
Message-ID: <68uP9.39968$B31.8544593@twister.socal.rr.com>
Source record: 4458

"charlesb" <n5pvl@sbcglobal.net> wrote in message
news:lZmP9.4276$hQ2.2002760889@newssvr12.news.prodigy.com...
>
> I had a lot of fun with my TS-430 / PK-232 combo on AMTOR, including some
> good DX. It was a long time ago though. Sorry I can't remember more about
> the mod I did back then.
>
> Good luck!
>
> Charles, N5PVL

For the 430 I think there was a mod required to accommodate the rapid QSK of AMTOR arq. If memory serves, the 440 did not require this mod and should work fine. Most guys used the mic connector. Since you cannot use narrow filter, a Timewave DSP mod to the 232 would probably be helpful.

--

Roger J. Buffington, W6VZV
340 Sea Ray Sundancer "Bounty"

2835. Re: Packet BBS list

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-29 06:48:21 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <VUwP9.18421$p_6.1432323@bgtnsc04-news.ops.worldnet.att.net>
Source record: 4459

"Don West" <Don-West@worldnet.att.net> wrote in message
news:KDtP9.18094$p_6.1407109@bgtnsc04-news.ops.worldnet.att.net...
> Hi,
> Anyone know where you can find a list of currently active 2 Meter packet
> BBSs? I am in Indianapolis, and cannot find one.
>
> Thanks & 73,
> Don - W9DEW

Currently active BBS in Indiana:
w9qyq, wa1ura, k9iu, kf9ug, ka9lcf

--

... Hank

Chaos, panic, and disorder - my work here is done.

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2836. TROLL: Roxanna, this is my view from NYC

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-29 14:18:09 UTC
From: una@att.net
Message-ID: <aun02c$8t0$1@doliolum.localnet>
Source record: 4460
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.digital.misc

Please don't feed the troll. "[Some name], this is my view from
NYC" is all over Usenet today.

Una

2837. Re: Packet BBS list

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-29 15:11:26 UTC
From: AC6V <ac6v@amsat.org>
Message-ID: <ygEP9.435$L61.81729@news1.west.cox.net>
Source record: 4461

Don't know if it is current -- but try TAPR pages URL:
http://www.tapr.org/directory/us/in.html

--
I Doubt, Therefore I Might Be
73 From AC6V, Rod In Oceanside, CA
http://ac6v.com
"Don West" <Don-West@worldnet.att.net> wrote in message
news:KDtP9.18094$p_6.1407109@bgtnsc04-news.ops.worldnet.att.net...
> Hi,
> Anyone know where you can find a list of currently active 2 Meter
packet
> BBSs? I am in Indianapolis, and cannot find one.
>
> Thanks & 73,
> Don - W9DEW
>
>

2838. Re: Packet BBS list

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-29 15:13:42 UTC
From: John Z <john@zantek.net>
Message-ID: <GiEP9.550114$NH2.36738@sccrnsc01>
Source record: 4462

Sri, Don, but Indianapolis no longer has a 2m packet BBS. I think you
either have to get up to Fort Wayne or down to Bloomington.
Best,
John/K3JZ

"Don West" <Don-West@worldnet.att.net> wrote in message
news:KDtP9.18094$p_6.1407109@bgtnsc04-news.ops.worldnet.att.net...
> Hi,
> Anyone know where you can find a list of currently active 2 Meter
packet
> BBSs? I am in Indianapolis, and cannot find one.
>
> Thanks & 73,
> Don - W9DEW
>
>

2839. Re: Packet BBS list

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-29 16:07:11 UTC
From: Steve Young <syoung@reuters.com>
Message-ID: <P4FP9.211785$JE.82254@news1.central.cox.net>
Source record: 4463

"Don West" <Don-West@worldnet.att.net> wrote
>
> Anyone know where you can find a list of currently active
> 2 Meter packet BBSs? I am in Indianapolis, and cannot
> find one.
>
> Thanks & 73,
> Don - W9DEW

BBS? You're kidding right?? You are aware that this is now
the 21st Century? The only packet you will find, is APRS and
the satellites.

2840. Re: Packet BBS list

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-29 16:36:39 UTC
From: AC6V <ac6v@amsat.org>
Message-ID: <rwFP9.482$L61.97099@news1.west.cox.net>
Source record: 4464

Not true -- here in San Diego We have about 7 BBS's

--
I Doubt, Therefore I Might Be
73 From AC6V, Rod In Oceanside, CA
http://ac6v.com
"Steve Young" <syoung@reuters.com> wrote in message
news:P4FP9.211785$JE.82254@news1.central.cox.net...
> "Don West" <Don-West@worldnet.att.net> wrote
> >
> > Anyone know where you can find a list of currently active
> > 2 Meter packet BBSs? I am in Indianapolis, and cannot
> > find one.
> >
> > Thanks & 73,
> > Don - W9DEW
>
> BBS? You're kidding right?? You are aware that this is now
> the 21st Century? The only packet you will find, is APRS and
> the satellites.
>
>

2841. Re: Packet BBS list

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-29 16:50:09 UTC
From: Cathryn Mataga <cathryn@junglevision.com>
Message-ID: <aun91s$s1h$1@sun-news.laserlink.net>
Source record: 4465

Steve Young wrote:
> "Don West" <Don-West@worldnet.att.net> wrote
>
>>Anyone know where you can find a list of currently active
>>2 Meter packet BBSs? I am in Indianapolis, and cannot
>>find one.
>>
>>Thanks & 73,
>>Don - W9DEW
>
>
> BBS? You're kidding right?? You are aware that this is now
> the 21st Century? The only packet you will find, is APRS and
> the satellites.
>

Dude, it's just a hobby. Take a valium.

2842. Jornada & PSK31?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-29 17:20:27 UTC
From: cprstn54zz@att.net
Message-ID: <3e0f2de3.94789656@news-server.optonline.net>
Source record: 4466

The Jornada is an HP handheld PDA that (I believe) runs Windows CE3. As such, it can play wav files and has some rudimentary sound capability. Someone thought there was A/D conversion in the modem that could be harnessed for sound card radio. There was some speculation that a PCMCIA sound card was just around the corner.

Has anything happened to make the Jornada an effective sound card radio PC?

Ken KC2JDY

Ken
(to reply via email
remove "zz" from address)

2843. Re: Packet BBS list

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-29 17:55:50 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <GGGP9.18973$p_6.1481802@bgtnsc04-news.ops.worldnet.att.net>
Source record: 4467

That list is mostly useless now.
Appears it was last updated over 8 years ago.
For Oregon, it is almost 100% incorrect :-)

--

... Hank

Chaos, panic, and disorder - my work here is done.

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"AC6V" <ac6v@amsat.org> wrote in message
news:ygEP9.435$L61.81729@news1.west.cox.net...
> Don't know if it is current -- but try TAPR pages URL:
> http://www.tapr.org/directory/us/in.html
>
> --
> I Doubt, Therefore I Might Be
> 73 From AC6V, Rod In Oceanside, CA
> http://ac6v.com
> "Don West" <Don-West@worldnet.att.net> wrote in message
> news:KDtP9.18094$p_6.1407109@bgtnsc04-news.ops.worldnet.att.net...
> > Hi,
> > Anyone know where you can find a list of currently active 2 Meter
> packet
> > BBSs? I am in Indianapolis, and cannot find one.
> >
> > Thanks & 73,
> > Don - W9DEW
> >
> >
>
>

2844. Re: Packet BBS list

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-29 17:56:59 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <LHGP9.18975$p_6.1481899@bgtnsc04-news.ops.worldnet.att.net>
Source record: 4468

Nonesense Steve.
There is a lot of activity.

--

... Hank

Chaos, panic, and disorder - my work here is done.

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"Steve Young" <syoung@reuters.com> wrote in message
news:P4FP9.211785$JE.82254@news1.central.cox.net...
> "Don West" <Don-West@worldnet.att.net> wrote
> >
> > Anyone know where you can find a list of currently active
> > 2 Meter packet BBSs? I am in Indianapolis, and cannot
> > find one.
> >
> > Thanks & 73,
> > Don - W9DEW
>
> BBS? You're kidding right?? You are aware that this is now
> the 21st Century? The only packet you will find, is APRS and
> the satellites.
>
>

2845. Re: Packet BBS list

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-29 18:33:03 UTC
From: Steve Young <syoung@reuters.com>
Message-ID: <zdHP9.211833$JE.105717@news1.central.cox.net>
Source record: 4469

How would you know what we have in Indianapolis?

Do you forward/receive from here?
What's the 2m callsign?
What's the 2m freq?
What's the 2m baud rate?
Who's the 2m trustee?

Thanks!

"Hank Oredson" <horedson@att.net> wrote
>
> Nonesense Steve.
> There is a lot of activity.
>
> --
>
> ... Hank
>
> Chaos, panic, and disorder - my work here is done.
>
> Hank: http://horedson.home.att.net
> W0RLI: http://w0rli.home.att.net
>
> "Steve Young" <syoung@reuters.com> wrote
> > "Don West" <Don-West@worldnet.att.net> wrote
> > >
> > > Anyone know where you can find a list of currently active
> > > 2 Meter packet BBSs? I am in Indianapolis, and cannot
> > > find one.
> > >
> > > Thanks & 73,
> > > Don - W9DEW
> >
> > BBS? You're kidding right?? You are aware that this is now
> > the 21st Century? The only packet you will find, is APRS and
> > the satellites.

2846. Re: Packet BBS list

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-29 19:09:48 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <0MHP9.1978$P42.1390368869@newssvr11.news.prodigy.com>
Source record: 4470

"Steve Young" <syoung@reuters.com> wrote in message
news:zdHP9.211833$JE.105717@news1.central.cox.net...
> How would you know what we have in Indianapolis?
>

How would you?

I just did a web search on 'packet radio indiana" and came up with quite a
few links.

Are you saying that Indianapolis is a packet radio "black hole"? I doubt
it.

If Indianapolis really *is* a "black hole", your attitude would go far in
explaining the phenomena.

Charles, N5PVL

2847. Re: Packet BBS list

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-29 19:36:45 UTC
From: Steve Young <syoung@reuters.com>
Message-ID: <h9IP9.211845$JE.42172@news1.central.cox.net>
Source record: 4471

"charlesb" wrote
> "Steve Young" wrote
> >
> > How would you know what we have in Indianapolis?
>
> How would you?
>
> I just did a web search on 'packet radio indiana" and came up with quite a
> few links.

What 2 meter freq should I tune to, to access a BBS?

Thanks!

2848. Re: Packet BBS list

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-29 20:08:04 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <ECIP9.85020$hK4.6896903@bgtnsc05-news.ops.worldnet.att.net>
Source record: 4472

"Steve Young" <syoung@reuters.com> wrote in message
news:zdHP9.211833$JE.105717@news1.central.cox.net...
> How would you know what we have in Indianapolis?
>
> Do you forward/receive from here?
> What's the 2m callsign?
> What's the 2m freq?
> What's the 2m baud rate?
> Who's the 2m trustee?

I communicate with several hams who run nodes or BBS
systems in Indiana. Seems like you are unaware of what
is around you. Oh well, happening all over the US recently :-)

--

... Hank

Chaos, panic, and disorder - my work here is done.

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

2849. Re: Packet BBS list

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-29 20:10:24 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <QEIP9.85028$hK4.6897153@bgtnsc05-news.ops.worldnet.att.net>
Source record: 4473

Homework assignment:

I sent you a list of callsigns.
Contact one or more of those folks, and they will tell you about activity.
Until you have done that, nobody here gonna take you seriously.
Once you have done that, report back here.

--

... Hank

Chaos, panic, and disorder - my work here is done.

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"Steve Young" <syoung@reuters.com> wrote in message
news:h9IP9.211845$JE.42172@news1.central.cox.net...
> "charlesb" wrote
> > "Steve Young" wrote
> > >
> > > How would you know what we have in Indianapolis?
> >
> > How would you?
> >
> > I just did a web search on 'packet radio indiana" and came up with quite a
> > few links.
>
> What 2 meter freq should I tune to, to access a BBS?
>
> Thanks!
>
>

2850. Re: Packet BBS list

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-29 21:51:25 UTC
From: Steve Young <syoung@reuters.com>
Message-ID: <x7KP9.213774$JE.96233@news1.central.cox.net>
Source record: 4474

You have me confused with someone who cares.

"Hank Oredson" <horedson@att.net> wrote
> Homework assignment:
>
> I sent you a list of callsigns.
> Contact one or more of those folks, and they will tell you about activity.
> Until you have done that, nobody here gonna take you seriously.
> Once you have done that, report back here.

2851. Re: Packet BBS list

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-29 23:00:07 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <X7LP9.2171$t75.1435846965@newssvr11.news.prodigy.com>
Source record: 4475

"Steve Young" <syoung@reuters.com> wrote in message
news:x7KP9.213774$JE.96233@news1.central.cox.net...
> You have me confused with someone who cares.
>

Oh... Another Troll.

Figures... The whiney tone, demanding that others do what you should have enough intelligence to do for yourself was a dead give-away.

Charles, N5PVL

2852. Re: Packet BBS list

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-30 03:04:30 UTC
From: Hank Oredson <horedson@att.net>
Message-ID: <2JOP9.19562$p_6.1538753@bgtnsc04-news.ops.worldnet.att.net>
Source record: 4476

No confusion.
Just pointing out your silliness to the group.
Now go away.

--

... Hank

Chaos, panic, and disorder - my work here is done.

Hank: http://horedson.home.att.net
W0RLI: http://w0rli.home.att.net

"Steve Young" <syoung@reuters.com> wrote in message
news:x7KP9.213774$JE.96233@news1.central.cox.net...
> You have me confused with someone who cares.
>
>
> "Hank Oredson" <horedson@att.net> wrote
> > Homework assignment:
> >
> > I sent you a list of callsigns.
> > Contact one or more of those folks, and they will tell you about activity.
> > Until you have done that, nobody here gonna take you seriously.
> > Once you have done that, report back here.
>
>

2853. Digipan question

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-30 03:40:51 UTC
From: fjx1@aol.comnospam
Message-ID: <20021229224051.02797.00000547@mb-ch.aol.com>
Source record: 4477

I'm new to PSK31. Just set up my rig for receive. Digipan is working. However, it does not display the frequency above the waterfall, just 1000, 2000, etc. I have display frequency checked. Is the a way to diplay the actual frequency instead of the 1000, 2000 I see?

Tks

Gerry
fjx1@aol.com

2854. Digital SSTV?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-30 05:24:20 UTC
From: jacobrich@yahoo.com
Message-ID: <ad0a430e.0212292124.571802e4@posting.google.com>
Source record: 4478

Does Digital SSTV exist? I have done some research on the Kenwood VC-H1, but it is not digital. I would appreciate any links to websites or knowledge that anyone can share.

Thanks.

2855. What interface to buy

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-30 21:21:24 UTC
From: Steve Massey <N6TT@adelphia.net>
Message-ID: <oN2Q9.12093$vd6.2858205@news3.news.adelphia.net>
Source record: 4479

After 38 yrs of pounding the brass I thought Id like to set up one of my stations for the digital modes both for ham and receiving commercial stations in general coverage. PSK, Pactor, packet, amtor,etc - what are the more popular interfaces available that you guys are using? For either my 1000D or 756pro? Ive received rtty on the pro but don't have time to build a interface for transmitting and would rather buy one that does all the different digital modes available today. Plug and play<g>
I know there are several companies making them now including Rigblaster, MFJ.
any info is appreciate, please email me at: Steve
N6TT@hotmail.com

2856. Re: What interface to buy

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-30 21:56:43 UTC
From: charlesb <n5pvl@sbcglobal.net>
Message-ID: <vi3Q9.5404$OX4.2498989208@newssvr12.news.prodigy.com>
Source record: 4480

I've had good luck with the RASCAL, available at http://www.packetradio.com/
.

You can get it assembled, or save some bucks by assembling it yourself from
a kit.

That's what I did. It gave me an excuse to heat up the old soldering pen.

Charles, N5PVL

"Steve Massey" <N6TT@adelphia.net> wrote in message
news:oN2Q9.12093$vd6.2858205@news3.news.adelphia.net...
> After 38 yrs of pounding the brass I thought Id like to set up one of my
> stations for the digital modes both for ham and receiving commercial
> stations in general coverage. PSK, Pactor, packet, amtor,etc - what are
the
> more popular interfaces available that you guys are using? For either my
> 1000D or 756pro? Ive received rtty on the pro but don't have time to build
a
> interface for transmitting and would rather buy one that does all the
> different digital modes available today. Plug and play<g>
> I know there are several companies making them now including Rigblaster,
> MFJ.
> any info is appreciate, please email me at: Steve
> N6TT@hotmail.com
>
>
>

2857. Re: Digital SSTV?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-30 22:17:45 UTC
From: News Account <none@none.org>
Message-ID: <dC3Q9.2906$T5.1201652@news.alltel.net>
Source record: 4481

Try ...

http://www.svs.net/wyman/examples/hdsstv/index.html

http://www.kiva.net/~djones/digsstv/

http://www.supersam.co.uk/pictoaud.htm

73's

Don Woodward
KD4APP
AMSAT 33535
http://kd4app.webhop.org

"J. R." <jacobrich@yahoo.com> wrote in message
news:ad0a430e.0212292124.571802e4@posting.google.com...
> Does Digital SSTV exist? I have done some research on the Kenwood
> VC-H1, but it is not digital. I would appreciate any links to
> websites or knowledge that anyone can share.
>
> Thanks.

2858. Re: Digital SSTV?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-30 22:27:07 UTC
From: jacobrich@yahoo.com
Message-ID: <ad0a430e.0212301427.6a33a1c7@posting.google.com>
Source record: 4482

I'd like to thank those of you who took the time to e-mail me. I am including the links that were sent to me for anyone else interested in digital SSTV:

http://www.svs.net/wyman/examples/hdsstv/index.html

http://www.kiva.net/~djones/digsstv/

http://www.supersam.co.uk/pictoaud.htm

http://www.nels.net.tc

jacobrich@yahoo.com (J. R.) wrote in message news:<ad0a430e.0212292124.571802e4@posting.google.com>...
> Does Digital SSTV exist? I have done some research on the Kenwood
> VC-H1, but it is not digital. I would appreciate any links to
> websites or knowledge that anyone can share.
>
> Thanks.

2859. Re: What interface to buy

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-30 23:28:59 UTC
From: cprstn54zz@att.net
Message-ID: <3e10d596.203256703@news-server.optonline.net>
Source record: 4483

On Mon, 30 Dec 2002 21:21:24 GMT, "Steve Massey" <N6TT@adelphia.net>
wrote:
>I know there are several companies making them now including Rigblaster,
>MFJ.

I second the Rascal. Kits are on sale thru 12/31 for $19.95 -- which
is less than the cost of the cables -- if you buy them at Radio
Shack. www.buxcomm.com

BTW, you won't be able to do HF synchronous (e.g., Pactor) TX with a
sound card. RX yes.

However, I did see some discussion of MixW maybe being enhanced to do
G-Tor RX and TX . . . .

Ken KC2JDY

Ken
(to reply via email
remove "zz" from address)

2860. Re: Digital SSTV?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-31 01:19:41 UTC
From: clonemaster <jond_post505@hotmail.com>
Message-ID: <v11s86osiletfe@corp.supernews.com>
Source record: 4484

Thanks for the great links. Are any of these systems compatible with each other, and are they on any freqs regularly so I can try receivng?

JD

2861. Re: What interface to buy

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-31 04:47:47 UTC
From: "J. Duffy Beischel" <duffyb01@fuse.net>
Message-ID: <3E112173.4040401@fuse.net>
Source record: 4485

Donner Digital Interfaces are a real deal - assembled for only $40. The top "5" rating from reviewers on eHam. I have bought three of them and everyone worked without a hitch. Simple, easy and they work.

http://home.att.net/%7En8st/

BTW, I have no interest the the Donner company at all.

JMHO

Duffy
www.wb8nut.com

Ken wrote:
> On Mon, 30 Dec 2002 21:21:24 GMT, "Steve Massey" <N6TT@adelphia.net>
> wrote:
>
>>I know there are several companies making them now including Rigblaster,
>>MFJ.
>
>
> I second the Rascal. Kits are on sale thru 12/31 for $19.95 -- which
> is less than the cost of the cables -- if you buy them at Radio
> Shack. www.buxcomm.com
>
> BTW, you won't be able to do HF synchronous (e.g., Pactor) TX with a
> sound card. RX yes.
>
> However, I did see some discussion of MixW maybe being enhanced to do
> G-Tor RX and TX . . . .
>
> Ken KC2JDY
>
> Ken
> (to reply via email
> remove "zz" from address)

2862. Re: What interface to buy

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-31 04:59:34 UTC
From: tim gorman <tgorman2@cox.net>
Message-ID: <2v6rua.9r.ln@tg6124.gorman.com>
Source record: 4486

Steve,

I found an AEA pk-232mbx on ebay to be just about the most cost efficient if you want to do the "tor" modes for traffic handling type activity. Timewave, who bought out AEA, carries upgrades for the pk232mbx to just about any level you need if you happen to get an older model.

Some of the older Kantronic units would be ok but I just haven't been able to ascertain whether or not upgrades can be obtained. Until I can confirm a purchase path for upgrades I am being rather leery of these units - unless an extremely good price happens by.

If you don't want the "tor" modes; amtor, pactor, or g-tor; a sound card interface to a computer is by far the cheapest way to go, at least if you have a computer that doesn't generate so much noise it covers up the signals. A *good" atx case with a generic AMD or Pentium motherbaord will usually be ok.

Tim AB0WR

Steve Massey wrote:

> After 38 yrs of pounding the brass I thought Id like to set up one of my
> stations for the digital modes both for ham and receiving commercial
> stations in general coverage. PSK, Pactor, packet, amtor,etc - what are
> the
> more popular interfaces available that you guys are using? For either my
> 1000D or 756pro? Ive received rtty on the pro but don't have time to build
> a interface for transmitting and would rather buy one that does all the
> different digital modes available today. Plug and play<g>
> I know there are several companies making them now including Rigblaster,
> MFJ.
> any info is appreciate, please email me at: Steve
> N6TT@hotmail.com

2863. Re: APRS Information Needed

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-31 10:19:33 UTC
From: W8JSA <w8jsa@exis.net>
Message-ID: <cyeQ9.67$db5.1865@sydney.visi.net>
Source record: 4488

Listen to 144.290 terrestrial and 145.825 from AO-16, et al.

--
73 DE JEFF W8JSA
CHESAPEAKE VA
36*45'42.34"N 076*15'01.29"W
UTM 18S 4069239N 0388394E WGS84
FM16us

2864. Re: PSK31 using KPSK for Linux: Success!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-31 10:19:42 UTC
From: Torbjørn Morka <tmorka@online.no>
Message-ID: <3E116F3E.7050000@online.no>
Source record: 4487

Bob Cameron wrote:
> Dave Hunt wrote:
>
>
>>Does this program work with the non-gui console?
>>
>>I run RHL 7.2, with no gui; am blind.
>>
>>Thanks,
>>
>>-Dave Hunt wx1g
>
>
> Haven't checked all of the ins and outs but the twpsk package has included
> an underlying psk311x that runs in CLI mode.
>
> Hope this helps
>
> Cheers Bob VK2YQA
>

Will this indicate that there might be software for RTTY/SSTV as well
for Linux ?

Torbjï¿½rn

2865. Re: PSK31 using KPSK for Linux: Success!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-31 11:15:14 UTC
From: Bob Nielsen <nielsen@remove_this.oz.net>
Message-ID: <auru82ohf1@216.39.144.81>
Source record: 4489

On Tue, 31 Dec 2002 11:19:42 +0100, Torbjï¿½rn Morka wrote:
> Bob Cameron wrote:
>> Dave Hunt wrote:
>>
>>
>>>Does this program work with the non-gui console?
>>>
>>>I run RHL 7.2, with no gui; am blind.
>>>
>>>Thanks,
>>>
>>>-Dave Hunt wx1g
>>
>>
>> Haven't checked all of the ins and outs but the twpsk package has included
>> an underlying psk311x that runs in CLI mode.
>>
>> Hope this helps
>>
>> Cheers Bob VK2YQA
>>
>
> Will this indicate that there might be software for RTTY/SSTV as well
> for Linux ?
>
> Torbjï¿½rn
>

There is. See http://radio.linux.org.au

Bob, N7XY

2866. Windows CE and PSK31?

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-31 12:08:08 UTC
From: cprstn54zz@att.net
Message-ID: <3e118748.28296406@news-server.optonline.net>
Source record: 4490

I previously posted this under Jornada and PSK31.

Are there any sound card programs that run under Windows CE?

It appears that there is now at least one Windows CE3 machine -- the
HP Jornada -- that takes a PCMCIA sound card. I believe this would be
the first PDA (more like a mini-laptop) potentially suitable for
PSK31.

Not having diddled with Windows CE, I do not know if it even has any
hooks that will let it access a sound card. Anyone know anything
about this?

Do any other PDA's take a PCMCIA card?

Ken KC2JDY

Ken
(to reply via email
remove "zz" from address)

2867. Soundmodem 0.7 and LinPac

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-31 21:06:08 UTC
From: Bob Cameron <bob.cameron.remove@optusnet.com.au>
Message-ID: <1s0tua.rr2.ln@p400bob.lse.com.au>
Source record: 4495

Hi all

Have a strange problem that I wont give all the config/details on unless someone requests them!

I occasionally run soundmodem 0.7 and Linpac 0.16 and have noticed one or two problems. (Note that this is not the kernel soundmodem driver)

- I cant get serial port PTT to work properly. (It works fine for other programs like twpsk, qsstv etc) If I run soundmodemconfig the PTT asserts as soon as I open any of the diagnostic boxes. Toggling the PTT button in the diagnostic box doesnt unkey the radio. I have succesfully setup ppdev/parport keying but it would be nice to run it only from the serial port. Does anyone have it working on a serial port

- I have noticed that in normal AX25 connect mode my TX will occasionally flatten the station I am receiving almost as if it is ignoring DCD. How much time does the soundmodem driver need to recognize an incoming signal? (1/2 a second of received signal would be the worst case) I seem to remember that the driver can also use the squelch function of the radio but cant remember where I saw that statement. FR I am running the soundcard (SB16) in HDX as well as the radio I/F. Any thoughts or references I can lookup?

- When sending a file using YAPP over (say) 10Kb and under (say) 80Kb to a WinPac equipped station the file transfers okay, but at the end I see a string of aborts by peer. More than 80Kb results in the same abort, a complete failure and a retry recovery corrupts the received file. It is interesting to note that the LinPac send window "sends" the entire file quite quickly as if a large buffer is being filled up. I would guess that there is some kind of YAPP timeout coming into play as the pgm then sits there and waits for the success packets from the peer. Anyone have this problem?

- I run ulistd and the axgetmail utilities in concert with my local BBS. This works well. Linpac docs kind of infer that 7+ messages will be "automatically" saved to the combined file on receipt but this doesnt seem to work with axgetmail/ulistd or selecting download from the LinPac mail interface. I *think* it works in interactive connect mode but I haven't checked thoroughly. Is anyone successfully using this? Any thoughts on my system's failure?

Cheers Bob VK2YQA

2868. Is there a filecopier available

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-31 21:14:26 UTC
From: Joseph Fenn <jfenn@lava.net>
Message-ID: <Pine.BSI.4.44.0212311113230.22943-100000@malasada.lava.net>
Source record: 4491

Does anyone know a file copier that will copy every file
on a hard disk including those with hidden attributes etc?
I was told that no such file copier exists that can get everything,
even if it works in DOS. I was also told XXCOPY could do it
using the /clone switch, but in attempting that, the /span
function didnt work so could not span thru CD-r's. Is any
complete file copier in existence????
Joe (aka kilroy)

****
* Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
****

2869. A do it all Filecopier ????

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-31 21:15:37 UTC
From: Joseph Fenn <jfenn@lava.net>
Message-ID: <Pine.BSI.4.44.0212311114560.22943-100000@malasada.lava.net>
Source record: 4492

Does anyone know a file copier that will copy every file
on a hard disk including those with hidden attributes etc?
I was told that no such file copier exists that can get everything,
even if it works in DOS. I was also told XXCOPY could do it
using the /clone switch, but in attempting that, the /span
function didnt work so could not span thru CD-r's. Is any
complete file copier in existence????
Joe (aka kilroy)

****
* Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
****

2870. a filecopier that does it all????

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-31 21:17:13 UTC
From: Joseph Fenn <jfenn@lava.net>
Message-ID: <Pine.BSI.4.44.0212311116090.22943-100000@malasada.lava.net>
Source record: 4493

Does anyone know a file copier that will copy every file
on a hard disk including those with hidden attributes etc?
I was told that no such file copier exists that can get everything,
even if it works in DOS. I was also told XXCOPY could do it
using the /clone switch, but in attempting that, the /span
function didnt work so could not span thru CD-r's. Is any
complete file copier in existence????
Joe (aka kilroy)

****
* Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
****

2871. A DO it ALL FILECOPIER????

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-31 21:18:46 UTC
From: Joseph Fenn <jfenn@lava.net>
Message-ID: <Pine.BSI.4.44.0212311117550.22943-100000@malasada.lava.net>
Source record: 4494

Does anyone know a file copier that will copy every file
on a hard disk including those with hidden attributes etc?
I was told that no such file copier exists that can get everything,
even if it works in DOS. I was also told XXCOPY could do it
using the /clone switch, but in attempting that, the /span
function didnt work so could not span thru CD-r's. Is any
complete file copier in existence????
Joe (aka kilroy)

****
* Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
****

2872. Re: PSK31 using KPSK for Linux: Success!

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-31 21:42:01 UTC
From: Bob Cameron <bob.cameron.remove@optusnet.com.au>
Message-ID: <9v2tua.313.ln@p400bob.lse.com.au>
Source record: 4497

Torbjï¿½rn Morka wrote:

>
> Will this indicate that there might be software for RTTY/SSTV as well
> for Linux ?
>
> Torbjï¿½rn

Bucketloads!

Try QSSTV and GMFSK (does Mary FSK as well as RTTY)

I personally use QSSTV in my bi-weekly skeds on 2M. The quailty of P7 is something to see! I've only just started with GMFSK but so far it looks good. I compiled both from source.

Also have a look at http://www.qsl.net/kf8gr/software.html

Cheers Bob VK2YQA

2873. Re: A DO it ALL FILECOPIER????

Newsgroup: rec.radio.amateur.digital.misc
Date: 2002-12-31 21:48:16 UTC
From: Dan Richardson <k6mhe@mendolink.com>
Message-ID: <k2441v0lj2qvc5atcuckuub5gd3et9dt79@4ax.com>
Source record: 4496

You can clone your hard-drive to another using Norton's Ghost.

Danny

On Tue, 31 Dec 2002 11:18:46 -1000, Joseph Fenn <jfenn@lava.net>
wrote:

>Does anyone know a file copier that will copy every file
>on a hard disk including those with hidden attributes etc?
>I was told that no such file copier exists that can get everything,
>even if it works in DOS. I was also told XXCOPY could do it
>using the /clone switch, but in attempting that, the /span
>function didnt work so could not span thru CD-r's. Is any
>complete file copier in existence????
> Joe (aka kilroy)
>
>
>**
>* Ham KH6JF AARS/MARS ABM6JF QCWA WW2 VET WD RADIO *
>**
>

Danny
K6MHE

No trees were destroyed in the sending of this message.
However, a large number of electrons were terribly inconvenienced.